

## ANNAM.AI

An AI - CoE by the Ministry of Education in  
the domain of Digital Agriculture



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### We are Hiring!

At ANNAM.AI, hosted at **IIT Ropar**, we are building cutting-edge solutions in **Digital Agriculture** using **AI, Computer Vision, Data Science, and Cloud Technologies**.

We invite passionate technologists to join our mission of building scalable national platforms for agriculture and sustainability.

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### Open Positions:

#### ➤ **Software Engineer (Full Stack)**

##### ❖ **What You Will Work On:**

- Design, develop, and maintain scalable web applications for national digital agriculture platforms.
- Build RESTful APIs and microservices using modern backend frameworks.
- Develop responsive front-end interfaces using modern JavaScript frameworks.
- Integrate AI/ML models into production systems.
- Deploy and manage applications on cloud infrastructure.
- Optimize system performance, security, and reliability.
- Collaborate with AI researchers, product managers, and domain experts.

##### ❖ **Required Qualifications:**

- B.Tech / M.Tech in Computer Science / IT / Software Engineering.
- 1–4 years of professional experience in software development.

##### ❖ **Required Skills:**

- Strong proficiency in **Python, JavaScript, HTML, CSS**
- Hands-on experience with **Django / Node.js / React.js**
- Knowledge of **REST APIs, Microservices, Authentication**
- Experience with **SQL & NoSQL databases**
- Cloud deployment experience.
- Familiarity with Agile/Scrum development
- Exposure to AI model integration is a strong plus

**Salary:** ₹6.0 – ₹12.0 LPA (based on experience)

**Location:** IIT Ropar, Punjab

**Position Type:** Full-time (contractual)

**No. of Position:** 3

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#### ➤ **AI Engineer (Computer Vision / ML)**

##### ❖ **What You Will Work On:**

- Design and deploy AI/ML models for real-world agricultural problems
- Build **computer vision pipelines** for crop detection, disease analysis, yield prediction
- Train, evaluate, and fine-tune deep learning models
- Develop end-to-end ML workflows (data preprocessing → training → inference → deployment)

- Integrate AI services with production web platforms
- Optimize models for performance, scalability, and real-time inference
- Work closely with agronomists, researchers, and field teams

❖ **Required Qualifications:**

- B.Tech / M.Tech in Computer Science / AI / Data Science / Robotics
- Strong foundation in Machine Learning and Deep Learning

❖ **Required Skills:**

- Proficiency in **Python, NumPy, Pandas, Scikit-learn**
- Hands-on with **TensorFlow / PyTorch / Keras**
- Experience in **Computer Vision** (OpenCV, YOLO, Detectron, SAM, etc.)
- Knowledge of **image processing, object detection, segmentation**
- Familiarity with **MLOps & model deployment** (Docker, FastAPI, Flask)
- Experience with cloud-based ML pipelines (AWS/GCP)
- Understanding of data annotation and dataset management

**Salary:** ₹7.0 – ₹12.0 LPA (based on experience)

**Location:** IIT Ropar, Punjab

**Position Type:** Full-time (contractual)

**No. of Position:** 3

➤ **Project Associate (Full Stack & MLOps)**

❖ **What You Will Work On:**

- Design, develop, and maintain scalable web applications for **national digital agriculture** platforms.
- Build **RESTful APIs** and microservices using modern backend frameworks.
- Develop responsive front-end interfaces using modern JavaScript frameworks.
- Integrate AI/ML models into production systems and manage model inference APIs.
- Deploy and manage applications on cloud infrastructure.
- Optimize system performance, security, and reliability for high-traffic agricultural data.
- Collaborate with AI researchers, product managers, and domain experts.

❖ **Required Qualifications:**

- B.Tech / M.Tech in Computer Science / AI / Data Science / Robotics
- Strong foundation in Machine Learning and Deep Learning

❖ **Required Skills:**

- Proficiency in **JavaScript (ES6+), HTML5, CSS3, and Python.**
- Hands-on with **MongoDB, Express.js, React.js, and Node.js (MERN).**
- Experience in Mobile App Development (React Native / Flutter).
- Knowledge of **RESTful APIs, Microservices, and JWT Authentication.**
- Familiarity with **ML integration & model deployment (Docker, FastAPI, Flask).**
- Experience with cloud-based hosting and pipelines.
- Understanding of **Git/GitHub, CI/CD,** and Agile development
- **Salary:** 37000 + HRA (based on experience)

**Location:** IIT Ropar, Punjab

**Position Type:** Full-time (contractual)

**No. of Position:** 3

➤ **Agri-Expert (Agricultural Research & Field Operations)**

❖ **What You Will Work On:**

- Lead field-based research, data collection, and ground-truthing for AI-driven agriculture projects.
- Perform on-ground crop health monitoring, pest identification, and disease analysis.
- Provide domain expertise to help refine AI algorithms for real-world farming conditions.
- Coordinate with farmers and field teams to gather high-quality image datasets.
- Validate digital agriculture solutions and user interfaces for ease of use by farmers.
- Manage large-scale agricultural datasets and ensure accurate data labeling.
- Document research findings and collaborate with the engineering team at IIT Ropar.

❖ **Required Qualifications:**

- B.Sc / M.Sc / Ph.D. in Agriculture / Agronomy / Plant Pathology / Entomology.
- Proven experience in agricultural research, extension services, or field consultancy.

❖ **Required Skills:**

- Proficiency in Crop Science, Soil Science, and Plant Protection.
- Hands-on with Pest & Disease Identification and Yield Estimation.
- Experience in Field Data Collection and Ground-truthing.
- Knowledge of Agricultural Data Annotation and Image Labeling.
- Familiarity with Digital Farming Tools and Mobile Data Collection Apps.
- Experience with Stakeholder Management (Farmers/Research Institutes).
- Understanding of Crop Phenology and Indian Farming Systems.

❖ **Salary:** ₹3.0 – ₹6.0 LPA (Based on experience)

**Location:** IIT Ropar, Punjab

**Position Type:** Full-time (contractual)

**No. of Position:** 3

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**Application Details**

- **Deadline to Apply:** 20 March 2026
- **Apply Here:** [Apply Link](#)

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**Terms & Conditions**

- Only shortlisted applicants will be contacted for the next steps.
- The roles are purely contractual and can be extended based on performance and project requirements.
- All positions are project-based and selection is based on specific skill needs.
- ANNAM.AI reserves the right to modify, cancel, or withhold recruitment at any stage without notice.
- Submitted documents may be verified at any point during or after the recruitment process.
- Misrepresentation of information will lead to disqualification or termination.

**Please note:** These roles are offered under a project-driven Section-8 company, and the recruitment process is conducted as an internal organizational matter. Accordingly, decisions and internal records related to the hiring process will remain confidential and are not subject to routine public disclosure.

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**For any specific queries, feel free to reach out:**

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Software Engineer

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