Pannaga J A

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LinkedIn | GitHub

Summary

Full-stack developer and AI/ML enthusiast skilled in building scalable applications, intelligent platforms, and computer vision solutions. Strong foundation in frontend and backend development, cloud computing, and problem-solving, with expertise in React, Django, PostgreSQL, and AWS. Passionate about creating impactful, user-centric solutions through innovative technology.

Education

B.E. in Computer Science & Engineering (AIML)| AMC Engineering College, Bengaluru | 2022 – Present

PUC in Science | *PES PU College, Shivamogga* | 89% 2020 – 2022

Experience

Software Engineer | *Stalight Technology – Bengaluru* Sept 2024 – Present

- Developed **"NeuroCampus"**, an AI-powered academic management platform.
- Engineered full-stack solution using **Django, React, PostgreSQL, and AWS**.
- Designed **role-based dashboards** for Admin, HOD, Faculty, and Students.
- Built features including **face recognition attendance, JWT/OTP auth, AI-assisted Q&A, and PDF/CSV exports**.

Software Development Intern | *Castlerockin Pvt Ltd – Bengaluru* Feb 2025 – May 2025

- Built responsive **frontend interfaces** using React.js and Tailwind CSS.
- Integrated APIs with backend services, improving **real-time data flow**.
- Enhanced UI/UX performance and ensured **cross-browser compatibility**.
- Worked on **debugging, deployment, and version control** with GitHub.

Projects

NeuroCampus – Academic Management System | Django, React, AWS 2025 – Present

- Built a chatbot to answer case study questions using **OpenAI API**.
- Designed a **React + Vite frontend** for real-time user interaction.
- Implemented document pipeline for **context-aware responses**.

AI-Powered Case Study Chatbot | Python, Flask, React, TypeScript | Github May 2025

- Built a chatbot to answer case study questions using **OpenAI API**.
- Designed a **React + Vite frontend** for real-time user interaction.
- Implemented document pipeline for **context-aware responses**.

Attendance System using Face Recognition | Python, OpenCV, MTCNN | Github Mar 2025

- Built a **real-time attendance system** with webcam-based detection.
- Integrated with Google Sheets for **automated record management**.
- Achieved **86.73% accuracy**, reducing manual work.

Mental Health Assistance System| React.js, Tailwind, AI | Github TJ Hacks 2024

- Developed an AI-based mental wellness platform.
- Features included **chatbot, stress-relief music, and interactive games**.
- Contributed as **Frontend Developer & UI/UX Designer**.
- Secured **2nd place** at TJ Hacks Hackathon.

Involvements

Coordinator | *AMC E-CELL*   2025 – Present

- Leading coordination, updates, and discussions for **entrepreneurship initiatives, meetings, and deliverables**.
- Ensuring professionalism and smooth communication among members.
- Supporting event planning and fostering collaboration within the cell.

Hackathon Participant & Winner | *TJ Hacks, City Engineering College*   2024

- Secured **2nd place** at **TJ Hacks Hackathon** for a mental health assistance system.
- Participated in **Hack-A-City 2.0 (AI/ML Hackathon)** at City Engineering College.

Tech Learner & Community Contributor | *AMC Engineering College*   2024 – 2025

- Engaged in **AI & LLMs Webinar** hosted by industry experts.
- Completed multiple **bootcamps and virtual internships** in AI/ML, backend, and cloud technologies.

Skills

Programming Languages: Python, Java, C, JavaScript, TypeScript
Web Development: React.js, Vite, Node.js, Django, Flask, Express.js, Tailwind CSS, HTML, CSS
Database: PostgreSQL, MySQL, Firebase
AI/ML & Tools: OpenCV, TensorFlow, dlib, MTCNN
Cloud & DevOps: AWS, Git, GitHub, Deployment
Other: UI/UX Design, Agile Development, Hackathons

Achievements & Certifications

- **React Bootcamp** – LetsUpgrade (*Mar 2025*)
- **AWS Academy Cloud Foundations** – AWS (*Dec 2024*)
- **Backend Bootcamp** – DevTown (*Feb 2024*)
- **AI-ML Virtual Internship** – AICTE (*Apr 2024 – Jun 2024*)
- **Android Developer Internship** – AICTE (*Jul 2024 – Sep 2024*)
- **Python (Basic)** – HackerRank (*Feb 2023*)
- **Research Methodology** – Infosys Springboard (*Dec 2024*)
- **Programming Fundamentals: Algorithms, Sorting & Searching** – Infosys Springboard (*Jan 2025*)
- **Explore Text-to-Speech with IBM Watson** – IBM SkillsBuild (*Oct 2024*)
- **Microsoft Learn Student Ambassador – Backend Web Development Bootcamp** (*May 2024*)
- **Hack-A-City 2.0 – AI/ML Hackathon** – City Engineering College (*Jun 2024*)
- **Arduitron (ENJIEO – IEEE AMEC 2022)** – AMC Engineering College (*Aug 2023*)
- **Webinar: Future of Tech (AI & LLMs)** – AMC Engineering College (*Apr 2024*)