Pannaga J A

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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
- CGPA: 8.73

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

Experience

Software Development Intern, Castlerockin Pvt Ltd – Bengaluru   Feb 2025 – May 2025
- Built responsive and scalable frontend interfaces using React.js and Tailwind CSS.
- Integrated REST APIs with backend services and improved real-time data flow.
- Contributed to CI/CD pipelines using GitHub Actions for automated builds and testing.
- Performed debugging, unit testing, API validation, and participated in Agile workflows with peer code reviews.

Projects

NeuroCampus – Academic Management System   Ongoing
- AI-driven academic management system with automated attendance, scheduling, performance tracking, a role-based chatbot, and secure authentication workflows using JWT.
- Tools: React, Vite, TypeScript, Tailwind, Django, DRF, PostgreSQL, LLM APIs, JWT, Git.

HomeServe Pro (HouseServe Hub)   Github
- Multi-role service booking platform with Django REST API, WebSockets, Celery tasks, Stripe payments, digital signatures, OTP, and audit logs.
- Tools: Django, DRF, Channels, Celery, Redis, PostgreSQL, React, TypeScript, Vite, Stripe API.

Mental Health Assistance System   Github
- AI-based mental wellness platform with chatbot, stress-relief music, and interactive games; served as Frontend Developer & UI/UX Designer; secured 2nd place at TJ Hacks.
- Tools: React, Tailwind, Node.js, Express.js, Firebase/MongoDB, TensorFlow, OpenAI API.

Skills

Languages: Python, Java, C, JavaScript, TypeScript
Web: React.js, Vite, Node.js, Django, Flask, Express.js, Tailwind CSS
Database: PostgreSQL, MySQL, Firebase
AI/ML: OpenCV, TensorFlow, dlib, MTCNN
Tools: AWS, Git, GitHub, UI/UX Design

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)
- Explore Text-to-Speech with IBM Watson – IBM SkillsBuild (Oct 2024)
- Python (Basic) – HackerRank (Feb 2023)