

Pannaga J A

Bengaluru | pannaga.baradwaj@gmail.com | +91 9741405534 | [Portfolio](#) | [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
• CGPA: 8.99	

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

Experience

Software Development Intern , Castlerockin Pvt Ltd – Bengaluru	Feb 2025 – May 2025
<ul style="list-style-type: none">Built responsive, scalable frontend with React and Tailwind, improving page load performance by 25%.Integrated REST APIs with backend services, enhancing real-time data flow and reducing data latency.Contributed to CI/CD pipelines using GitHub Actions, cutting manual build and testing effort by 30%.Performed debugging, unit testing, and API validation while collaborating in Agile workflows with peer reviews.	

Projects

NeuroCampus – AI-driven Academic Management System	Key Project – Ongoing
<ul style="list-style-type: none">Developed a cloud-deployed academic management platform with role-based dashboards and an LLM-powered assistant to automate attendance, scheduling, and student-faculty workflows, reducing manual effort by 35%.Integrated an intelligent chatbot for academic queries, improving turnaround time and reducing dependency on HOD/faculty intervention.Deployed on AWS (EC2, S3, RDS, CloudFront, IAM) for scalability, reliability, and secure storage.Tools: React, Vite, TypeScript, Tailwind, Django, DRF, PostgreSQL, JWT, LLM APIs, Git, AWS.	

HomeServe Pro – Service Booking Platform	Key Project GitHub
<ul style="list-style-type: none">Developed a multi-role home service booking platform with service provider onboarding, user bookings, scheduling, notifications, digital signatures, Stripe payments, and audit logging.Implemented real-time communication using WebSockets (Django Channels) and asynchronous task handling with Celery + Redis for OTP, notifications, and background workflows.Designed a modular REST API architecture enabling clean separation between backend micro-modules and React client.Tools: Django, DRF, Channels, Celery, Redis, PostgreSQL, React, TypeScript, Vite, Stripe API.	

PrepTrack — Aptitude Test Progress Tracker	GitHub
<ul style="list-style-type: none">Developed a full-stack aptitude preparation platform enabling users to take practice tests, track performance, and compete via leaderboards, enhancing learning engagement.Implemented user authentication, personalized learning roadmap, scoring system, and an AI-assisted chatbot for assistance.Tools: Node.js, Express.js, React, Vite, REST APIs, SQLite3, JavaScript.	

Mental Health Assistance System	Github
<ul style="list-style-type: none">Built an AI-based mental wellness platform with chatbot support, stress-relief music, and interactive games as Frontend Developer and UI/UX Designer, improving engagement by 30% and securing 2nd place at TJ Hacks.Tools: React, Tailwind, Node.js, Express.js, Firebase/MongoDB, TensorFlow, OpenAI API.	

Skills

Frontend: React.js, Vite, Tailwind CSS, HTML, CSS, JavaScript, TypeScript

Backend: Node.js, Express.js, Django, Flask, Django REST Framework, Python, Java

Databases: PostgreSQL, MySQL, SQLite3, Firebase

AI/ML & Computer Vision: TensorFlow, OpenCV, MTCNN, dlib, Chatbot/LLM Integration

Tools: AWS, Git, GitHub, Stripe API, WebSockets, Celery, Redis, UI/UX Design

Achievements

- Achieved **Advance Track** selection in **NEC 2025**, organized by E-Cell IIT Bombay (2021)
- Designed, developed, and deployed the **NeuroCampus Academic Management System**, currently operational at AMC Engineering College (2025)
- Secured **2nd Place** in a hackathon at **T John Engineering College** for developing the “Mind Me” mental health support platform
- Participated in multiple intra-college and inter-college hackathons, focusing on full-stack and AI-assisted academic solutions

Certifications

- Advanced Software Engineering Job Simulation – Walmart USA (Forage) (Jan 2026)
- React Bootcamp – LetsUpgrade (Mar 2025)
- AWS Academy Cloud Foundations – Amazon Web Services (AWS) (Oct 2024)
- Android Developer Virtual Internship – Google for Developers (Sep 2024)
- AI-ML Virtual Internship – Google for Developers (Jun 2024)
- Backend Bootcamp – DevTown (Feb 2024)
- Backend Web Development Bootcamp (JavaScript, Node.js & Express) – Microsoft Learn Student Ambassador (2024)