

Mahesh P K

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SUMMARY

Final-year year B.E. student specializing in Artificial Intelligence and Machine Learning. Passionate full-stack developer skilled in building scalable, data-driven web applications. Experienced with modern JavaScript frameworks, RESTful APIs, relational databases, and agile workflows. Eager to contribute as a Software Developer by delivering production-quality code and collaborating in cross-functional teams.

EDUCATION

- **Vivekananda College of Engineering and Technology** Puttur, Karnataka
Bachelor of Engineering in Artificial Intelligence and Machine Learning; CGPA: 7.9 2022 – 2026 (Expected)

PROJECTS

- **Vehiql — AI-Driven Car Marketplace Platform** Next.js, TypeScript, Prisma, PostgreSQL, Supabase, Shadcn UI
 - Developed a full-stack vehicle marketplace app with authentication, role-based access, booking, and admin management.
 - Integrated REST APIs and real-time filters; implemented AI-powered image scanning using Gemini API.
 - Applied agile development practices with Git and code reviews for iterative delivery.
- **Smart Scheduling Web App** TypeScript, JavaScript, HTML, CSS
 - Built a scheduling platform enabling users to create, edit, and track events synced with cloud storage.
 - Designed responsive UI and implemented modular architecture for easy feature expansion.
- **Apricart-AI — Collection of Applied Machine Learning Projects** Python, Scikit-learn, NumPy, Pandas
 - Implemented models for data classification, prediction, and recommendation tasks with step-by-step preprocessing, model training, and evaluation pipelines.
 - Applied techniques such as supervised learning, regression, and NLP to gain hands-on experience with core AI algorithms.
 - Demonstrated strong understanding of the end-to-end ML workflow, from dataset handling to model optimization and result interpretation.
- **Software Package Behavior Analysis** Python, Pandas, scikit-learn, K-means clustering
 - Collected and analyzed metadata from 50k npm packages to detect typosquatting and dependency confusion.
 - Applied clustering and anomaly detection to identify suspicious publishing behaviors — inspired by software supply chain threat models.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, SQL
- **Frameworks & Tools:** Next.js, React.js, Tailwind CSS, Prisma, Supabase, Bootstrap, REST API, MySQL/PostgreSQL, Git, Postman
- **Concepts:** Full-Stack Development, API Integration, Agile Methods, Automated Testing (Postman, Jest Basics)

CERTIFICATIONS

- Google Data Analytics Professional Certificate — **Google**
- Google Cybersecurity Professional Certificate — **Google**
- Postman API Fundamentals Student Expert — **Postman**
- Python (Basic) Certificate — **HackerRank**

ACHIEVEMENTS

- Secured **Top 5th position out of 200 teams** at DevHost 2024 Hackathon — Sahyadri Engineering College, Mangalore.