

PAUL RANJITH

LinkedIn | GitHub | Portfolio
DOB – 31/03/2005

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SKILLS & INTERESTS

- Technical Skills:** Python, C, HTML, CSS, JavaScript, Java, React, Flutter, Dart, MySQL, MongoDB, Node.js, Machine Learning, C++ Data Structures and Algorithms, GitHub Actions, Postman
- Soft Skills:** Communication, Problem Solving, Teamwork, Leadership, Organisational Skills, Public Speaking
- Interests:** Machine Learning, App Development, AWS, Web Development

EDUCATION

- Govt. Model Engineering College** **7.93 | 2027**
KTU, B.Tech in Computer Science Engineering
- Chavara CMI Public School** **91.4% | 2023**
CBSE, 12th
- Devamatha CMI Public School** **96% | 2021**
CBSE, 10th

WORK EXPERIENCE

- Press Ganey** **2 Months**
Software Engineering Intern
Technologies Used: Python, LangChain, ChromaDB, RAGAS, Hybrid Retrieval, HyDE
Designed and optimized a Retrieval-Augmented Generation (RAG) pipeline by integrating hybrid search, vector databases, and evaluation frameworks, improving retrieval accuracy and streamlining document-based question answering.
- Devou** **2 Months**
Marketing Intern
Technologies Used: Docker, AWS EC2, AWS ECR, AWS IAM, CI/CD Pipeline, GitHub Actions, Git
Collaborated with the marketing team to plan and deliver weekly social media content, improving audience reach and contributing to the acquisition of new customers and clients.

PROJECTS

- KnowFlow** **Team Size: 1**
AI/ML Engineer **2 Months**
Technologies Used: Python, LangChain, ChromaDB, RAGAS, Groq Llama, RRF, HyDE
Built a RAG chatbot achieving 1.00 faithfulness and 0.89 answer relevancy (RAGAS eval, 20-question benchmark) via hybrid retrieval, HyDE, and reranking; includes cited sources and user feedback collection.
- Conduit** **Team Size: 1**
CI/CD Engineer **4 Weeks**
Technologies Used: Docker, AWS EC2, AWS ECR, AWS IAM, CI/CD Pipeline, GitHub Actions, Git
Built an automated deployment workflow that eliminated manual deployment steps, improving reliability and reducing release time to less than 2 minutes.
- Payn** **Team Size: 2**
Full Stack Developer **2 Months**
Technologies Used: Flutter, Dart, MySQL, Express, Node.js, C++, Swift, C
Developed a mobile application tested with 20+ users for tracking and managing shared expenses, enabling users to record transactions and automatically split costs while maintaining clear and organized financial record.

COURSES AND CERTIFICATIONS

- Earned certification in **ChatGPT Prompt Engineering for Developers** from **OpenAI** and **DeepLearning.AI**.
- Certified in **Cybersecurity in IoT** through a technical session organized by **IEEE Communications Society SBC NITC**.

KEY POSITIONS

- Took on the role of **Chairperson** at **NSDC MEC 2026**, the AI and ML Club.
- Held the position of **Secretary** at **NSDC MEC 2025**, the AI and ML Club.
- Worked as the **Content Manager** at **IEEE MEC 2025**.

ACHIEVEMENTS AND ACTIVITIES

- Participated in the **Student Training Program (STP) on Natural Language Processing (NLP) 2024**, conducted by **ICFOSS** and **FOSS MEC**, the Free and Open Source Club.
- Volunteered at **ICTEST 2024**, an **IEEE Kerala Section** co-sponsored international conference on intelligent and smart computing systems.
- Volunteered and co-ordinated **Win With AI** in **2023** and **2026**, organised by **NSDC MEC**, the Data Science Club.
- Volunteer of **MAGIC 5.0**, a flagship event of **IEEE MEC SB** to bring students together with technology.
- Hobbies:** Swimming, Reading, Badminton

REFERENCES

- Prof. Dr. Jayachandran E S**, Principal, Govt. Model Engineering College, Kochi, Email ID: principal@mec.ac.in
- Prof. Dr. Sindhu L**, HOD, Computer Science Engineering, Govt. Model Engineering College, Kochi, Email ID: sl@mec.ac.in
- Ajith Hariharan**, Director of Software Engineering, Press Ganey, Thiruvananthapuram, Email ID: ahariharan@qualtrics.com