Manal Mohammed Ashraf

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Professional Summary

Recent MCA graduate with hands-on experience in full-stack development, AI/ML, and mobile app development. Proficient in Python, MERN stack, Flutter, and Firebase with strong foundations in data structures, algorithms, and software engineering principles. Demonstrated ability to apply data science techniques and build scalable applications. Seeking software engineering roles to contribute technical expertise and innovative problem-solving skills.

Education

Master of Computer Applications (MCA) — 2023 – 2025
University of Calicut — *Kerala, India*

Bachelor of Science in Mathematics — 2020 – 2023
Ansar Women's College, University of Calicut — *Kerala, India*

Technical Skills

Programming Languages: Python, JavaScript, SQL, Dart, HTML/CSS
Frameworks & Libraries: Flutter, React.js, Node.js, Express.js, Firebase
Technologies: MERN Stack (MongoDB, Express, React, Node.js), RESTful APIs, Git
AI/ML & Data Science: Machine Learning, Artificial Intelligence, Data Visualization, Prompt Engineering
Tools & Platforms: Firebase, Vertex AI, GitHub, ChatGPT, VS Code
Core Competencies: Data Structures, Algorithms, Full-Stack Development, Mobile Development, Database Design

Professional Experience

Data Visualization Intern — Jul 2025 – Oct 2025
Smartcard AI — *Kerala, India*

- Designed and implemented interactive data visualizations to transform complex datasets into actionable business insights
- Collaborated with cross-functional teams to analyze data patterns and present findings through compelling visual narratives
- Utilized Python libraries and visualization tools to create dashboards that improved data-driven decision making
- Optimized data processing pipelines to handle large-scale datasets efficiently

Full-Stack Developer (MERN) — Oct 2024 – Nov 2024
ICT Academy of Kerala — *Kerala, India*

- Developed full-stack web applications using MongoDB, Express.js, React.js, and Node.js
- Built RESTful APIs and integrated frontend components with backend services for seamless user experiences
- Implemented responsive UI designs and ensured cross-browser compatibility
- Managed database schemas, queries, and optimization for improved application performance

Certifications & Professional Development

Prompt Design in Vertex AI Skill Badge – Google Cloud Platform
Certificate of Completion – One Million Prompters Program
Mathematics for Artificial Intelligence (MAI 2023) – Mathematical foundations for AI/ML
ChatGPT & AI Tools – Advanced AI tool proficiency and prompt engineering
Mathematics Training and Talent Search Programme (MTTS 2022) – Advanced mathematical problem-solving

Additional Information

Languages: English (Professional), Hindi (Native), Malayalam (Native)
Interests: Open-source contribution, competitive programming, AI ethics, mathematics research