MUHAMMED AJMAL U K

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PROFESSIONAL SUMMARY

Full-stack developer and MCA student with hands-on experience building mobile and web applications using Python, Flutter, Firebase, SQL, and Flask. Delivered production-ready projects generating 10K+ organic clicks through AI-driven SEO and developed AI chatbots, automation tools, and real-time safety solutions. Strong in debugging, problem-solving, and rapid learning, with a focus on clean architecture, scalability, and efficient engineering practices.

TECHNICAL SKILLS

- **Programming:** Python, Dart, JavaScript, SQL
- **Frameworks & Tools:** Flutter, Flask, React.js (basic), Tailwind CSS
- **Databases:** MySQL, Firebase Realtime DB, Firestore
- **Development Tools:** Git, GitHub, VS Code, Postman, Android Studio
- **Cloud & Deployment:** Firebase, PythonAnywhere, Netlify, Cloudinary, OneSignal
- **AI Skills:** Prompt Engineering, LLM Integration, AI Fundamentals, Chatbot Development
- **Core Concepts:** Data Structures, Algorithms, OOP, State Management
- **Soft Skills:** Leadership, Teamwork, Communication, Project Management, Fast Learning

PROJECTS

Dementia Virtual Memory Assistant | *Flutter, Python, DeepFace*   Aug 2025 – Oct 2025

- Developed a caregiver–patient support app with task management, reminders, diary, and personal memory gallery.
- Integrated DeepFace (ArcFace) in a Flask backend to identify family members from quick photo scans.
- Repo: github.com/ajmal-uk/dementia-virtual-memory

ToolPix — AI Tools Platform | *Flask, Gemini API, AI SEO*   Apr 2025 – Jun 2025

- Built AI tool platform featuring developer utilities and compilers.
- Achieved **10K+ organic clicks** through strong SEO.
- Live: toolpix.pythonanywhere.com

Explore Together — Travel Buddy Finder | *Flutter, Firebase*   Oct 2024 – Dec 2024

- Developed a travel buddy–matching system that pairs users with similar trip destinations.
- Implemented real-time trip updates and chat-ready matching for smoother coordination.
- Built as an academic project for the B.Sc. Computer Science program at Mahatma Gandhi College.
- Repo: github.com/ajmal-uk/explore-together

Byte AI — Multi-Model Chatbot | *Python, Flask, Gemini API*   Mar 2024 – Sep 2024

- Built chatbot supporting Gemini, Groq, and OpenRouter LLMs.
- Clean ChatGPT-style UI using HTML/CSS/JS.
- Live: byteai.pythonanywhere.com

VIRTUAL EXPERIENCE

Full Stack Web Development Intern   Nov 2025 – Dec 2025
Future Interns   *Remote*

- Built modular React.js + Tailwind components and improved UI responsiveness through iterative redesigns.
- Followed clean Git workflows with structured commits, delivering all assigned tasks on time.

Deloitte Australia — Data Analytics Simulation   Nov 2025
Forage   *Remote*

- Completed Deloitte's analytics simulation involving data cleaning, Excel classification, and insight generation.
- Created a Tableau dashboard to visualize trends and support data-driven decision making.

EDUCATION

Master of Computer Applications (MCA)   2025 – 2027
College of Engineering, Trivandrum

B.Sc. Computer Science   2022 – 2025
Mahatma Gandhi College, Iritty   CGPA: 8.97

CERTIFICATIONS & LEADERSHIP

- IBM Software Engineering (Coursera)
- Google & Kaggle AI Agent Development (5-Day)
- Google Cloud Arcade Facilitator (Milestone 3)
- Oracle OCI AI Foundations Associate
- Oracle AI Agent Studio Foundations
- NCC Sergeant (B & C Certificates)
- Co-manages YouTube gaming channel with **500K+ subscribers**