Abin Skaria

Junior AI/ML & Full-Stack Developer | ✉ abinskaria28@gmail.com | 📞 +91 85277 18337 | 📍 Delhi, India
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SUMMARY

Enthusiastic Computer Science graduate with hands-on experience in AI integration, full-stack development, and deploying scalable applications. Passionate about solving real-world problems and creating meaningful impact through technology. Curious, self-motivated, and committed to continuous learning.

Technical Interests : Cybersecurity | Artificial Intelligence | Machine Learning | Full-Stack Web Development

SKILLS

- Languages : Python, C, C++, Java, HTML/CSS, JavaScript, SQL
- AI/ML : Scikit-learn, Pandas, NumPy, LLM integration
- Frontend : Next.js, React
- Databases : MongoDB, Supabase
- DevOps & Tools : Docker, Git/GitHub, DigitalOcean, Cloudflare, Glitch, Vercel, Postman
- Backend & APIs : Node.js, Flask, REST APIs
- Soft Skills : Problem Solving, Critical Thinking, Team Collaboration, Work Ethic, Leadership

WORK EXPERIENCE

INFINITA AI - Junior AI/ML Engineer [Intern (3 months) + Full Time]   Remote | Jun 2024 - April 2025
- Built 3+ AI agents from scratch using prompt engineering and OpenAI API endpoints, integrating them with **Voiceflow** to create dynamic conversational systems for client use cases.
- Developed real-time back-end features using **WebSockets**, **REST APIs** and **Node.js** to enable live data exchange and seamless interaction across application components.
- Implemented core security features, including **JWT-based authentication**, session handling, and protected routes.
- Containerized and deployed microservices on **Docker** using **DigitalOcean**, and handled CI/CD with **Vercel**.
- Collaborated on 2+ full-stack projects in an **Agile** setup using **Git**, **Linear** and **Slack** for version control, task tracking, and sprint coordination.

EDUCATION

College of Engineering Chengannur   Kerala, India | 2020 - 2024
B.Tech, Computer Science and Engineering - CGPA: 8.79/10

Kerala School VikasPuri   New Delhi, India | 2018 - 2020
XII (CBSE) - PERCENTAGE: 89.6%

Kerala School VikasPuri   New Delhi, India | 2006 - 2018
X (CBSE) - PERCENTAGE: 84%

PROJECTS

Trekzen – Smart Travel Planner   trekzen11.glitch.me
Tech Stack: Node.js, JavaScript, HTML/CSS
- Designed a web app to help tourists plan efficient single/multi-day trips with optimized travel routes.
- Utilized **Lin-Kernighan** for optimization and **Nearest Neighbor** for approximation to generate effective routes.
- Achieved over 85% route optimization accuracy on test datasets.

AyurHealth – Disease Predictor with Ayurvedic Suggestions   ayurhealth.glitch.me
Tech Stack: Python, JavaScript, Machine Learning, HTML/CSS
- Developed a dual-tab website: "Predictor" for disease diagnosis and "Suggester" for Ayurvedic remedies.
- Used a **Random Forest classifier** trained on user symptoms to achieve ~80% prediction accuracy.
- Created a remedy recommendation system for the 'Suggester' tab based on disease input and Ayurveda mapping.

Movie-Recommender App   github.com/Abin-28/movie_recommends
Tech Stack: Python, Machine Learning, Streamlit
- Built a content-based recommendation system using **vector similarity** on a curated movie dataset.
- Displayed top 5 similar movies based on input title.
- Achieved ~90% accuracy in recommending similar movies.

Bank Management System   github.com/Abin-28/Bank-Management
Tech Stack: C++
- Created a banking application with features like withdrawals, deposits, and account inquiries.
- Designed custom UI using the **Turbo C++ graphics module** for better user experience.
- Practiced core C++ file handling and basic transaction logic.

ACHIEVEMENTS

- "Intro to Software Engineering" – IBM (Coursera)
- "HTML, CSS & JS for Web Dev" – Johns Hopkins (Coursera)
- Volunteered at IEEE, IEDC, CEC Tharang Fest – Led event coordination and provided tech support
- Participated in workshops on UI/UX and Frontend Design