AKHILDEV MJ

Senior AI Engineer & Full Stack Developer

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Professional Summary

Experienced **AI Engineer** and **Full Stack Developer** with over **5 years** of expertise in building **scalable, intelligent** systems and **cloud-native** solutions. Strong background in **AI, software architecture**, and **end-to-end product development**. Proven ability to **lead** teams, drive **innovation**, and deliver impactful solutions. Passionate about **automation**, **open source**, and continuous learning.

Professional Experience

Senior Software Engineer
Oct 2020 – Present

QBurst Technologies, Koratty, Kerala, India

- Delivered a voice AI agent with **90%+ accuracy** for Indian accents, reducing latency by **50%**.
- Trained classification and forecasting models with **95–97% accuracy**, improving decision workflows by **20%**.
- Designed and maintained **15+ backend services** with zero downtime and a **25% performance gain**.
- Enhanced Elasticsearch performance by **50%** through optimized mappings and indexing.
- Built cloud-native media functions, reducing processing time and memory utilization by **3×**.
- Integrated a payment gateway handling **>1M transactions** with zero downtime.
- Contributed to **5+ projects** across UI, QA, and requirements, improving delivery timelines by **20%**.

Chairman, IEEE Computer Society
Jan 2019 – Feb 2020

IEEE SCET SB, Thrissur, Kerala, India

- Increased student participation by **50%** through tech events and competitions.
- Organized **20+ coding events** and technical workshops to drive engagement.

Professional Certifications

- **Google:** Advanced Data Analytics, Business Intelligence

- **Microsoft:** Python Technical Assistant

- **Meta:** Full-Stack Developer, Data Analyst, iOS Developer, Backend Developer, Frontend Developer, Database Engineer

- **IBM:** Generative AI Engineer, AI Engineer, AI Developer, Deep Learning, Data Science

- **DeepLearning.AI:** Natural Language Processing, TensorFlow Developer, Deep Learning

- **Scrimba:** AI Engineering

Education

- **B.Tech in Computer Science**, Sahrdaya College of Engineering & Technology, Thrissur, Kerala — 2016 – 2020
  CGPA: **8.58**

- **Higher Secondary – Computer Science**, St. Antony's HSS, Thrissur, Kerala — 2014 – 2016
  Score: **82.3%**

- **SSLC**, St. Joseph's HSS, Thrissur, Kerala — 2013 – 2014
  Score: **100%**

Course Certifications

- **Artificial Intelligence:**
  Google: **AI** Essentials, **Prompting** Essentials, **Agile** Essentials
  Udemy: Python for **Time Series** Data Analysis

- **Full-Stack Development:**
  Internshala: **Web** Development, **Android** App Development, Programming with **Python**
  Udemy: **Next.js & React** – The Complete Guide, The Complete **React** Developer Course, **Remix.js** – The Practical Guide, **NodeJS** – The Complete Guide, **NestJS**: The Complete Developer's Guide, **Flutter & Dart** – The Complete Guide, The Complete **JavaScript** Course

- **Search & CloudOps:**
  Udemy: **Docker & Kubernetes**, Complete Guide to **Elasticsearch**, Data Processing with **Logstash**, Data Visualization with **Kibana**

Technical Skills

- **Programming:** Python, JavaScript, TypeScript, SQL

- **Artificial Intelligence:** Voice AI, Generative AI, Machine Learning, Deep Learning, Data Science, Data Analytics

- **Frameworks:** NestJS, React, Next.js, Remix.js, FastAPI, Express.js

- **Databases:** PostgreSQL, MySQL, MongoDB, Elasticsearch, Redis

- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes

- **Tools:** Git, Agile, REST API

Projects

- **AI Voice Agent**
  Tools: *LiveKit, Python, OpenAI, ElevenLabs, NestJS*
  Voice-controlled assistant automating customer support with real-time speech recognition. Reduced response latency by **35%**.

- **E-commerce Platform**
  Tools: *React, Next.js, NestJS, Stripe API, PostgreSQL*
  Developed a scalable platform with integrated Stripe payments, improving checkout success by **15%**.

Achievements

- Best Paper Award at national conference **ABACon'20**   2020

- Best Web Developer Award from **IEEE SCET SB**   2019

- National Topper in Modern Application Development by **NPTEL**   2017

Languages

Malayalam (Native)   **English** (Fluent)