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 Certificates

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

- **Full-Stack Development:**
  Internshala: Web Development, Android App Development, Programming with Python
  Udemy: Next.js, React, Remix.js, NodeJS, NestJS, Flutter & Dart, JavaScript

- **Search & CloudOps:**
  Udemy: Docker & Kubernetes, Elasticsearch, Logstash, Kibana

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

- **Soft Skills:** Communication, Teamwork, Problem-Solving, Adaptability, Time Management, Critical Thinking

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)
- **Hindi** (Basic)