

ARVIND KUMAR

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📍 Sharjah, UAE • Expected Graduation: June 2025



Professional Summary

AWS-certified Computer Science Engineering graduate with strong hands-on experience in Artificial Intelligence (AI), Machine Learning (ML), and Cloud Computing. Skilled in designing and developing full-stack, real-world solutions using Python, TensorFlow, scikit-learn, and AWS services. Proven ability to build reliable NLP models with over ninety-five percent accuracy and recommendation systems that improved user engagement by fifteen percent. Experienced in developing responsive, high-performance web applications, including clones of popular social media platforms with optimized user experience. Adept at managing end-to-end software development lifecycles and collaborating with cross-functional teams in design, engineering, and operations. Successfully led logistics for large-scale events with more than thirty-four thousand participants, achieving ninety-eight percent operational efficiency. Known for strong problem-solving abilities, attention to detail, and a continuous learning mindset. Passionate about using emerging technologies to create impactful, scalable, and user-focused solutions.

Technical Expertise

- **Programming Languages:** C/C++, Java, Python, HTML/CSS, SQL
- **Software Tools:** Visual Studio, MS-Excel, Power BI, Microsoft Office, AWS
- **Technical Skills:** Data Structures, AI/ML, Cloud Computing
- **Soft Skills:** Leadership, Event Management, Teamwork, Project Management
- **Digital Marketing:** SEO (Search Engine Optimization), Google Ads, Facebook Ads Manager, Instagram Ads, YouTube Ads

Professional Experience

Zidio Development

Apr 2025 – May 2025

Data Science and Analytics Intern (Remote)

- Collaborated with cross-functional teams to design, develop, and test new product features, including enhancing analytics dashboards and automation tools using Python and TensorFlow.
- Developed and analyzed stock market time series data, performing data preprocessing, feature engineering, and model implementation to uncover trends and support predictive analytics.
- Contributed to debugging, optimizing data workflows, and improving machine learning model performance in a remote and agile development environment.
- Presented predictive analytics results to stakeholders through visually compelling reports, leading to improved product planning.
- Assisted in automating routine data pipeline tasks, improving workflow efficiency by 20%.

Key Projects

AyurBot: AI Wellness Guide

Nov 2024

TensorFlow, NLP, AWS

- Achieved **95.8% intent accuracy** using BERT embeddings, deployed on EC2 with **0.8s response time**.
- Handled diverse user queries through intent classification and custom response generation, improving user satisfaction and system adaptability.
- Incorporated AWS Lambda functions for scalable backend processing, reducing server downtime and latency.

- Integrated multi-intent support and fallback mechanisms to handle ambiguous inputs effectively.
- Implemented user feedback loop integration to continuously improve model responses and personalization.

Stock Market Forecaster

May 2025

Python, ARIMA-LSTM Hybrid

- Predicted NIFTY50 trends with **89% accuracy** using 5+ years of historical data.
- Engineered advanced hybrid models integrating statistical (ARIMA) and deep learning (LSTM) approaches for robust forecasting.

AI Recommendation System

Sep 2023

Vector Embeddings, TensorFlow

- Boosted recommendation accuracy by 15 percentage points using translation-based models with user-item interaction embeddings.

Social Media Clones

Aug 2022

MERN Stack, WebSockets

- Developed Instagram/Spotify clones with **2s load time** and 100% device responsiveness.
- Integrated real-time features using WebSockets and implemented clean UI with fully mobile-optimized layouts.

Education

Kalinga Institute of Industrial Technology

2021 – 2025

B.Tech in Computer Science & Engineering

- Coursework: Advanced ML, Cloud Architecture, Big Data Analytics
- Activities: KIIT Fest Organizer ('24-'25), MUN Secretariat, TEDx Hospitality Lead

Leadership & Responsibilities

KIIT Fest 8.0 (34,000+ Participants)

Feb 2025

Logistics Executive Lead

- Managed distribution of 34,000 RFID bands within 48 hours, coordinating a team to handle over 800 entries per minute and ensure smooth operations.
- Implemented real-time tracking and reporting systems to monitor progress and quickly resolve bottlenecks, maintaining high accuracy in attendance data.
- Coordinated cross-team communication between logistics, security, and entry staff to ensure smooth crowd management during peak hours.

KIIT MUN 2024 (1,400+ Delegates)

Sep 2024

Digital Marketing Head

- Led digital campaigns and cold outreach strategies that drove a 40% increase in event registrations.
- Analyzed campaign metrics and optimized social media content, significantly boosting engagement and international delegate participation.
- Spearheaded influencer outreach and partnerships that expanded event visibility across key student networks.

TEDxKIITUniversity 2024

Aug 2024

Hospitality Director

- Coordinated services for 1,000+ attendees with **95% satisfaction** rating.
- Managed vendor relationships and volunteer teams to deliver seamless guest experiences while optimizing event budgets.
- Led the onboarding and training of hospitality volunteers, improving team efficiency and guest service quality.