

ABHINAVA SAI BUGUDI

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PROFESSIONAL SUMMARY

Ambitious and results-oriented Software Engineering graduate with a strong foundation in Python, machine learning, and data-driven systems. Demonstrated hands-on experience building AI-powered Android apps, deploying ML models, and applying data analysis techniques to real-world datasets. Seeking junior roles in Machine Learning, Data Engineering, or Data Analysis where I can apply my problem-solving skills and passion for innovation.

TECHNICAL SKILLS

Languages: Python, Java, Kotlin, SQL, HTML/CSS, JavaScript, PHP, C

Libraries/Tools: TensorFlow, Scikit-Learn, Pandas, NumPy, OpenCV, Matplotlib, Seaborn

Frameworks: Flask, Django, Jetpack Compose (Android)

Database/Cloud: Firebase, SQLite, Git, GitHub, REST APIs

Environments: Android Studio, Jupyter, NetBeans, Anaconda, Postman

KEY PROJECTS

Voxscribe – Handwriting Recognition App

Python, TensorFlow, OpenCV, Flask, Kotlin, Jetpack Compose

- Developed a real-time handwriting-to-text recognition app using a CNN model trained on EMNIST
- Achieved 93% accuracy; deployed via Flask API with Android Jetpack Compose UI
- Implemented dark/light mode, notebook saving, and export to PDF/DOCX features

London Housing Price Prediction

Python, Scikit-Learn, Pandas, Matplotlib

- Created ML regression model to predict housing prices (R^2 score: 0.89), trained in Jupyter using Scikit-Learn, visualized with Matplotlib/Seaborn.
- Preprocessed 50,000+ records and visualized pricing trends across boroughs

Country Guessing Quiz App

Kotlin, REST API, Firebase

- Built Android app that fetches live country data and quizzes users with hints
- Integrated Firebase to store performance and Datastore to manage offline scores

EDUCATION

BEng (Hons) Software Engineering

University of Westminster, London – Sep 2022 – Present

- **Focus:** Machine Learning, Data Structures & Algorithms, Software Architecture
- **Societies:** Head of Chess Society, Member of Cricket Society

PROFESSIONAL EXPERIENCE

Customer Service Advisor

Uniqlo Europe, London – May 2024 – Oct 2024

- Resolved queries and supported 500+ customers, improving satisfaction rate to 95%
- Recognized with "Best CS Staff" award for 4 consecutive weeks for service excellence
- Contributed to weekly team meetings with data-driven suggestions

CERTIFICATIONS

- Google Cloud Professional Machine Learning Engineer (GCP) — *February 2025*
- Azure AI Fundamentals AI-900 (Microsoft) — *January 2025*
- Harvard CS50X – Computer Science (edX) — *September 2024*
- Azure Administrator Associate AZ-104 (Microsoft) — *November 2024*
- IBM AI Engineering Professional Certificate (Coursera) — *December 2024*
- Data Analytics and Business Intelligence (University of Westminster Summer School) – Ongoing

EXTRACURRICULARS

- Participated in multiple ML and Android hackathons at university
 - *Built prototype solutions under time pressure and collaborated with cross-functional teams.*
- Volunteer tech instructor for digital literacy workshops at Newham Library
 - *Taught basic computer and smartphone skills to elderly individuals over 10+ sessions.*