

ARYAN SUNIL

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SUMMARY

Third year Computer Science student seeking software engineering opportunities to apply machine learning and full-stack development skills in real-world applications. Experienced in full-stack development, machine learning implementation, and cloud deployment through academic projects and internships.

EDUCATION

UNIVERSITY OF NOTTINGHAM - COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE – FINAL YEAR

Artificial Intelligence Methods, Distributed Systems, Operating System and Concurrency, Language and Computation, Algorithms Data Structures and Efficiency, Software Engineer Group Project

BEAUCHAMP CITY SIXTH FORM - A-LEVELS

Math – A, Computer Science – B, Chemistry – B

EXPERIENCE

INFOSYS SOFTWARE ENGINEER INTERN – 09/06/2025 – 01/08/2025

- Participated in Agile sprints to enhance the SAP Commerce platform, contributing to cross-functional team deliverables.
- Optimised existing codebase for performance and readability, reducing load times and improving maintainability.
- Improved setup and onboarding documentation, streamlining development environment configuration for new team members.

PLACEMENT AT G4S – 17/03/2022 – 28/03/2022

- Created a mathematics quiz application with leaderboard functionality using Xamarin and C#.
- Developed foundational programming skills and gained experience in mobile app development.

SUBJECT AMBASSADOR AT UNIVERSITY OF NOTTINGHAM – CURRENT

- Representing the Computer Science department at open days, answering queries from prospective students and parents.
- Assisting with campus tours to showcase facilities, labs, and learning resources.

SEO MANAGEMENT FOR ATEX-SUPPLIES - CURRENT

- Manage website content and implement SEO strategies to improve search rankings.
- Developed WordPress expertise through website management and optimization efforts.

PROJECTS

SINGING-TRACKING ROBOT (PYTHON, C#, ROBOTICS, VR)

- Collaborated in an Agile software engineering team to develop an interactive robot that follows users based on their singing.
- Developed the colour sensor detection system on the Raspberry Pi to identify and track the colour for features such as collecting coins.
- Created the audio track controller, enabling playback and management of audio tracks.

AI MEETING ASSISTANT (PYTHON POSTGRES) – INFOSYS X GOOGLE CLOUD HACKATHON

- Developed EngagePro, an AI agent using Google Cloud and Gemini LLM to personalize client engagement and highlight Infosys success stories.
- Built a full-stack MVP in 3 days: scraped and vectorised data, implemented semantic search with Postgres, and added meeting scheduling.
- Tailored prompts and fine-tuned responses for the finance domain to ensure accuracy and client relevance.

PLAYLIST CURATOR (JAVA, CLOUD RUN, DOCKER)

- Android app using AI to automatically generate genre-based playlists from user's music library with Firebase authentication and credit management.
- Docker backend on Google Cloud Run that processes audio metadata through Machine Learning algorithms to categorise songs by mood and genre.

PORTFOLIO WEBSITE (HTML, CSS)

- Built a personal portfolio website to display completed projects and web development capabilities.

PREDICTIVE MAINTENANCE SYSTEM (JUPYTER NOTEBOOK, PYTHON, POWER BI)

- Implemented machine learning models including logistic regression and random forest algorithms.
- Developed interactive visualizations in Power BI to present insights on failure probabilities and maintenance recommendations.

VIDEO TO ALBUM COVER (HTML, CSS, JAVASCRIPT)

- Developed a Chrome extension that replaces YouTube Music videos with album covers to minimise distractions.
- Published on Chrome Web Store with user-friendly interface design.

SKILLS & ABILITIES

- **Programming Languages:** Python, Java, C#, C
- **Mobile Development:** Xamarin, Android Studio, KivyMD
- **Web Development:** React, HTML, CSS, JavaScript, WordPress, Spring Boot
- **Database Technologies:** PostgreSQL, Firebase,
- **Other Tools:** GitHub, Agile Methodologies, Jira, Google Cloud Platform

ADDITIONAL EXPERIENCE

DIGITAL MARKETING CONSULTANT FOR THE GREEN INSURER – 26/03/2025 – 12/04/2025

- Collaborated with a diverse, multidisciplinary team to analyse social media trends and their impact on the UK market.
- Conducted in-depth research on social media usage patterns across generations, identifying key trends and future investment opportunities.

VOLUNTEERING AT LIFE CHARITY - 08/05/2022 – 30/06/2023

- Organised inventory by arranging clothes for display and processing books for resale through barcode scanning.
- Promoted to store management and cashier responsibilities at age 18.