Reethika Kondaveeti

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EDUCATION

Brunel University, London
BSc Computer Science with Artificial Intelligence   **Sep 2022 – Jun 2025**

Modules: Software Engineering, Artificial Intelligence, Digital Media and Games, Algorithms and applications, Networks and Operating Systems, User Interface, Logic and computation, Systems organizations, Data Information, Cybersecurity

EXPERIENCE

Technology Support Analyst, Frenkel Topping Group   May 2025 – Present

Provide first-line application and end-user computing (EUC) support to enhance user experience across FTG sites.

- Delivered day-to-day technical support for M365, case-management systems, and internal applications to improve operational efficiency.
- Supported configuration, workflow design, access control, and template changes for business-critical systems.
- Resolved incidents within defined SLAs and managed technology changes and escalations with external suppliers.
- Engaged with colleagues to promote technology adoption, provide training, and create user documentation.
- Strengthened IT governance through proactive risk reduction, data privacy controls, and incident prevention.
- Maintained liaison with MSPs and vendors to ensure consistent delivery of high-quality technical services.
- Acted as a technology ambassador within the organisation, facilitating smooth rollouts of new systems and process optimisations.

Product Developer intern/Junior consultant, Leadership Tribe   *Jul 2024 – Sep 2024*

- Gained hands-on experience with development, project management, client relations, marketing and design for a start-up project.
- Developed in 30 days an AI-powered agentic tool using Lang Graph, Open WebUI, and various APIs to automate data gathering, content creation, and article generation.
- Shadowed and collaborated with senior management consultants to identify challenges and innovate features that would increase productivity.
- Strategized where AI could be incorporated into their workflows, utilizing RAG models and vector databases for efficiency.
- Implemented web scraping and crawling tools (e.g. Beautiful Soup, Tavily Web Search) and integrated pipelines for data processing and enhancement.

Widening Access & Student Ambassador, Brunel University London   *Jul 2022 – May 2024*

- Assisted in information sessions, offering a comprehensive overview of campus lifeand academic programs
- Conducted campus tours for prospective students and parents, highlightinguniversity facilities and resources.

STEM Ambassador, Brunel University London   *Jul 2023 – May 2024*
- Conducted presentations and workshops with the aim of fostering excitement and interest in STEM subjects.

Sales Manager, Juss Marketing   *Jun 2022 – Jul 2022*
- Engaging in door-to-door sales for a milkman product requires effective communication, persuasion, and a customer-centric approach.

PROJECTS

AI Content Generation Tool   *Mar 2025 – Apr 2025*

Developed an advanced sentiment analysis system with an interactive web interface using Streamlit and FastAPI.

- Built and compared four ML models: LSTM (85%), LightGBM (86%), Logistic Regression (89%), and an Ensemble Model (91% accuracy).
- Enabled both single text and batch sentiment analysis with real-time confidence scores and model comparison capabilities.
- Integrated CSV upload, processing time tracking, analysis history, and export features.
- Utilized PyTorch, scikit-learn, LightGBM, Pandas, and NumPy for model training, testing, and evaluation.
- Engineered modular architecture with components for API endpoints, ML models, web UI, and data processing.
- Deployed robust API endpoints (/predict, /batch, /compare) and developed scripts for training and hyperparameter tuning.
- Implemented logging, monitoring, error handling, and a test suite using pytest to ensure maintainability.

Software Metrics and Quality Analysis   *Oct 2024 – Dec 2024*
- Conducted a comprehensive analysis of software metrics using datasets (C&Kdata.csv and code.xlsx) to evaluate software quality and defect tendencies.
- Analyzed metrics such as Weighted Methods per Class (WMC), Coupling Between Objects (CBO), Lack of Cohesion in Methods (LCOM), and Cyclomatic Complexity (CC) to identify their correlation with defects.
- Created scatter plots and bar charts using Excel to visualize relationships between metrics and bugs, identifying outliers and proposing improvements.
- Calculated and interpreted key statistics such as mean, median, and correlation trends to provide actionable insights into improving software maintainability.
- Documented findings in a structured report, emphasizing data-driven recommendations for refactoring complex and defect-prone classes.
- Applied concepts like cohesion, coupling, and complexity to demonstrate how software quality can be improved through systematic analysis.

Cybersecurity Solutions for HealthTech Innovations   *Oct 2024 – Nov 2024*
- Conducted a comprehensive network diagram for a medical tech company's IT infrastructure using Lucid Chart, mapping devices, operating systems, IP addresses, and their roles.
- Identified potential threats and **mapped attack vectors** using the MITRE ATT&CK framework. Analysed vulnerabilities in Windows Server 2019 (CVE-2021-31166) and ransomware threats

targeting healthcare.

- Created a detailed **risk register**, highlighting confidentiality, integrity, and availability risks, and proposed mitigations using security frameworks like NCSC andSANS.
- Suggested appropriate cybersecurity tools and countermeasures to enhance ITresilience.

Graph Coloring using Heuristic Search Algorithm   *Mar 2023 – May 2024*

- Developed a Java-based solution using a heuristic search algorithm to optimizegraph colouring using fitness solution.
- Represented a Graph in vector format, where each index corresponds to a nodein the graph and value at each index represents the colour assigned to that node.
- Designed robust code to handle multiple input scenarios and minimize errors.

Web Development - Deforestation Awareness   *Sep 2023 –May 2024*
- Led the development of a website as a team addressing the impacts ofdeforestation.
- Utilized HTML, CSS, and JavaScript for web structure, style, and interactivity.
- Explored Java for backend development, experience in React, Node.js. Proficientin MySQL using spring Boot. Led the team being product owner and scrum master.

Swift Bot with Dance Function   *Sep 2022 –May 2023*
- Collaborated with a team to develop a game named Simon for a university group assessment, with a focus on programming a miniature robot.
- Programmed the robot using Java to execute precise dance movements across multiple directions and angles.
- Created comprehensive flowcharts, pseudocode, and UML designs to support the development, translating these into a functional robot dance program usingOOP.

Programming Dice Roll Game   *Sep 2021 – May 2022*
- Led the development of a Java-based dice game to illustrate the probability ofrolling various numbers as part of a group project.
- Utilized flowcharts and UML designs for effective software design, ensuring clearstructure and functionality.
- Coordinated team efforts, providing guidance and maintaining project timelines while fostering collaboration within the group