Ashwika Kuppusamy

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SUMMARY

Pre-final year Computer Science student with hands-on experience in software development, object-oriented programming, and competitive programming. Proficient in Java, Python, C++, and SQL, with exposure to building applications, implementing algorithms, and solving real-world problems. Actively seeking Software Development Engineer (SDE) / Intern roles to contribute to scalable software solutions and collaborative projects.

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, SQL
- **Web / App Development:** HTML, CSS, JavaScript, REST APIs
- **Data Structures Algorithms:** Arrays, Linked List, Trees, Graphs, Sorting, Searching, Recursion, Dynamic Programming
- **Tools:** Git, GitHub, VS Code, Eclipse, IntelliJ IDEA
- **Database:** MySQL, MongoDB
- **Concepts:** OOP, DSA, Problem Solving, Software Development Life Cycle, Agile, Unit Testing

EDUCATION

K.S. Rangasamy College of Technology	**Sep 2023 – Oct 2027**
B.E. – Computer Science and Engineering	*CGPA: 8.4/10*
R K R GRKS Matric Hr. Sec. School	**2022 – 2023**
Higher Secondary School	*Score: 85.8%*

PROJECTS

Employee Salary Prediction (Data Analytics and ML) *GitHub*
- Tech Stack: Python, pandas, scikit-learn, Streamlit, Power BI
- Cleaned and analyzed employee datasets to identify salary trends and key influencing factors.
- Developed and deployed a Random Forest model to predict salaries with an interactive visualization dashboard.

ShipmentSure – On-Time Delivery Prediction *GitHub*
- Tech Stack: Python, scikit-learn, pandas, NumPy, Streamlit
- Built a Random Forest model to predict shipment delivery accuracy using real-world logistics data.
- Performed data preprocessing, feature engineering, and model evaluation (accuracy, precision, recall).
- Deployed an interactive Streamlit app for real-time shipment predictions.

Banking Management System *GitHub*
- Tech Stack: Java, NetBeans, MySQL
- Implemented account management, transactions, and customer modules using OOP principles.
- Integrated database for persistent storage and optimized transaction processing.

EXPERIENCE

SNR Automations – Automation, Research & Development Intern **Remote**
Automation Research and Development Team *Aug 2025 – Sep 2025*
- Supported data preparation and visualization for automation performance metrics.
- Collaborated with R&D team for prototype testing and documentation.

IBM SkillsBuild – Learner **Remote**
AI and Data Analytics Track *May 2025 – Jul 2025*
- Completed hands-on projects on predictive modeling and exploratory data analysis using IBM tools.
- Learned to visualize data insights and present actionable findings for business scenarios.

CERTIFICATIONS AND COURSES

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- IBM SkillsBuild – Data Analytics and AI Track
- Excel Fundamentals for Data Analysis – Coursera
- NPTEL – Industrial Internet of Things (IIoT) – Silver + Elite
- NPTEL – Java Programming (Elite)