Nayana M Uppin

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SUMMARY

Aspiring Software Engineer with a strong academic foundation in Computer Science and Computer Engineering principles, including object-oriented design, algorithm design. Proven ability to develop scalable and reliable systems utilizing Java, Python, and C. Hands-on experience in building applications within agile environments, optimizing code for performance, and applying emerging technologies, including machine learning, to address technical problems. Focused on writing clean, functional code and contributing to developing meaningful software solutions.

EDUCATION

Bachelor of Engineering – Information Science and Engineering. **CGPA:** 7.10
Jawaharlal Nehru National College Of Engineering, Shimoga, India. **Graduation:** May 2024

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, C.
- **Web Technologies**: HTML, CSS, JavaScript.
- **Databases**: SQL, MySQL, PostgreSQL.
- **Tools & Frameworks**: VS Code, Eclipse, Github.
- **Core Concepts**: OOPs, Data Structures & Algorithms, data modelling, Responsive Web Design, GitLab, User Interfaces, Problem-Solving, Analytical Skills, Teamwork, Adaptability, Coding, Debugging, Testing, Web Development.

PROJECTS

Visual Memorability and Semantic Scoring: A Perceivable Study on Human Memorability.
Technologies: MATLAB, Machine Learning

- Created a prediction model that identified memorable images with 80% accuracy using linear programming methods.
- Tuned model inputs to raise prediction accuracy by 18% through adjustments to learning parameters.
- Transformed raw image data into clear charts, helping reviewers detect consistent recall patterns.
- Indexed a dataset of over 5,000 images in a structured format to allow faster access and smoother processing.

Big Data Science and Machine Learning on Uber Rides.
Technologies: Python, Data Analysis, Machine Learning

- Examined 10,000+ Uber ride records to estimate future ride volume, reaching 85% accuracy in forecasts.
- Improved data quality by 30% through cleanup and removal of missing or duplicated entries.
- Applied algorithms that brought down rider waiting periods by 15% during busy times.
- Plotted graphs and time-based visuals to uncover peak travel hours and common locations.

Template for Car Dealership Website.
Technologies: HTML, CSS, JavaScript

- Built a responsive webpage featuring a vehicle listing layout, search bar, and contact form.
- Tested usability with 15 individuals, raising navigation efficiency by 20% and overall satisfaction.
- Reduced website loading delay by 25% through layout optimization and image compression.
- Used input checks and form validation to lower form abandonment by 30% during inquiry submission.

CERTIFICATIONS

- **Certificate of Internship – Full Stack Web Development** – Compsoft Technologies
- **Certificate of Internship – Big Data Science and Machine Learning** – Ekathva Innovations

KEY ACHIEVEMENTS AND STRENGTHS

- Collaborated in agile teams to design, test, and deploy web applications, improving project pace by 15%.
- Developed and optimized algorithms, reducing time complexity by 20% in data-intensive projects.
- Clarified requirements and provided efficient solutions.
- Experience in team communication and collaboration. Comfortable working with and eager to learn new technologies and environments.