Pradipta Chandra Giri

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Raurkela, Odisha, India

Education

Veer Surendra Sai University of Technology (VSSUT), Burla — Burla, Odisha
Bachelor of Technology in Computer Science and Engineering — *Sept 2024 – Aug 2026*

- CGPA: X.XX/10.0 (Update with your actual CGPA)
- Relevant Coursework: Data Structures, Algorithms, Database Management, Operating Systems, Computer Networks, Web Development, Artificial Intelligence

Technical Skills

Programming Languages: Python, C++, C, JavaScript, SQL
Web Technologies: HTML, CSS, React.js, Node.js, Express.js, RESTful APIs
Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib
Database Management: MySQL, PostgreSQL, MongoDB, Database Design & Optimization
Tools & Technologies: Git, GitHub, Docker, Linux, VS Code, Jupyter Notebook
Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, Problem Solving, System Design

Projects

DRRMS - Disaster Relief and Resource Management System | *MySQL, PHP, HTML, CSS, JS* — 2024

- Designed and developed a comprehensive database management system for disaster relief operations with 15+ interconnected tables handling resource allocation, volunteer coordination, and real-time inventory tracking
- Implemented complex SQL queries and stored procedures optimizing response time by 40% for emergency resource deployment across multiple disaster zones
- Created an intuitive web interface enabling government agencies to manage 1000+ relief operations efficiently with role-based access control and automated reporting features
- Deployed the system with comprehensive documentation, resulting in 99.5% uptime during critical disaster response scenarios

AI-Powered Web Application | *Python, TensorFlow, Flask, React* — 2024

- Developed an end-to-end machine learning web application utilizing deep learning models for [specify use case - e.g., image classification/NLP/prediction]
- Implemented RESTful API backend with Flask serving TensorFlow models achieving 95%+ accuracy on test datasets
- Built responsive React frontend with real-time prediction visualization and user authentication system
- Optimized model inference time by 60% through model quantization and efficient data preprocessing pipelines

Data Structures & Algorithms Visualizer | *C++, Python, Web Technologies* — 2024

- Created an interactive visualization tool for 20+ common algorithms and data structures to aid learning and debugging
- Implemented efficient C++ backends for algorithms with Python bindings for web integration
- Designed step-by-step execution features allowing users to understand time and space complexity through visual representations

Experience

Software Development Intern (or relevant position) — Month Year – Month Year
Company Name — *Location*

- [Add your internship/work experience here with quantifiable achievements]
- [Example: Developed Python automation scripts reducing manual processing time by 70%]
- [Example: Collaborated with cross-functional teams to deliver features serving 10K+ users]

Achievements & Leadership

Competitive Programming: Solved 500+ problems across LeetCode, CodeChef, and Codeforces with focus on advanced algorithms and optimization
Hackathons: [Add hackathon participations/wins - e.g., Winner of XYZ Hackathon with AI-based solution]
Open Source: [Add contributions - e.g., Contributed to X open-source projects with Y merged PRs]
Technical Leadership: [Add leadership roles - e.g., Technical Lead at College Coding Club, organized 5+ workshops]
Certifications: [Add relevant certifications - e.g., Google Cloud Professional, AWS Certified, etc.]