Gourav Kumar Ojha

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EDUCATION

Rungta College of Engineering and Technology   Bhilai, CG
Bachelor of Technology in Computer Science in AI   *Aug. 2023 – Present*

Sunrise Dwarka Academy   Deoghar, JH
Higher Secondary   *Jul 2021 – Jun 2023*

St. Xavier's High School   Deoghar, JH
Secondary   *Mar 2013 – Jul 2021*

EXPERIENCE

Software Developer Intern   Oct 2024 – Nov 2024
Hewlett Packard Enterprise   *Remote*

- Developed a comprehensive proposal for implementing RESTful web services that outlined strategies to reduce API response times by 30% and cut integration costs by 20% , leading to faster deployment timelines.
- Engineered 4+ RESTful web services and integrated secure data upload functionality that improved data processing speeds by 40% and reduced operational errors by 25%.
- Created and executed over 50 unit tests, achieving 95% code coverage and decreasing production issues by 35% during the first quarter after deployment.

Open Source Contributor   Oct 2024 – Nov 2024
GirlScript Summer of Code   *Remote*

- Contributed to open-source projects under the GSSoC 2024 program.
- Partnered with a cross-functional team of 8+ developers to refine project features.

Student Ambassador   Oct 2024 – Nov 2024
LetsUpgrade   *Remote*

- Acted as a company representative at 5 educational events, contributing to a 20% growth in new client engagements and a 25% increase in participant enrollment in training programs.
- Spearheaded outreach initiatives that drove a 40% uplift in community interactions and a 30% rise in online engagement rates, significantly expanding the organization's local presence.
- Organized multiple community events, collaborating with student groups and local organizations to enhance campus-community relationships
- Led a team of 15 volunteers in the execution of LetsUpgrade events that increased student engagement

PROJECTS

Matdata Mitra | *React, Python, Node.js, Express.js, Ethereum, OpenCV, IPFS, MongoDB, MySQL.*

- It is a comprehensive, end-to-end platform designed to revolutionize the voting process. It offers solutions ranging from the creation of blockchain-based voter ID cards to advanced facial recognition and a decentralized voting system to ensure transparency.
- Blockchain-based Voter Card Creation: Created and stored secure, immutable voter identities on the blockchain.
- Facial Recognition: An integrated face detection and recognition system to verify only registered voters.
- Built a decentralized voting system on the Ethereum blockchain to ensure secure, transparent, and tamper-proof online voting.

RungtAI – Your Campus Companion | *Gemini API, Next.js, TypeScript, Tailwind CSS.*

- Designed an interactive AI agent to provide virtual tours of the campus.
- Implemented a 24/7 chatbot to answer questions related to campus life, academic deadlines, and services.
- Developed features to display upcoming academic, career, and social events, along with virtual tours of campus facilities.

GSRA BANKS | *HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, JWT.*

- Developed a simulated online banking portal featuring functionalities such as fund transfers, deposits, profile management, real-time balance inquiry, and transaction history.
- Developed user registration and login modules to ensure secure user authentication and authorization.
- Implemented account management features that allow users to create, modify, and delete accounts.
- Balance Inquiry: View real-time account balances
- Enabled real-time balance inquiries and generation of account statements for specific periods.

E-voting | *Python, OpenCV, scikit-learn, pickle, win32com, CSV.*
- Created an online voting system using facial recognition and Aadhaar number to authenticate voters and securely record their votes.
- Applied facial recognition for voting process
- Also implemented Aadhaar based authentication for double verification
- The system ensures that each voter can only vote once and provides a user-friendly interface for casting votes

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java.
Computer Vision and Machine Learning: OpenCV, YOLO, PyTorch, TensorFlow, supervised learning, Scikit-learn.
Web Development: HTML, CSS, JavaScript , React, Node.js, Express.js, Next.js, TypeScript, RESTful Web Services and APIs
Blockchain and Smart Contract: Blockchain, Ethereum, Web3.js, Solidity.
Data Structures and Algorithms: Proficient in Data Structures and Algorithms using C++
Database Technologies: MySQL, MongoDB, IPFS, Firebase
Developer Tools and Platforms: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ.

SOFT SKILLS

- Leadership
- Communication
- Teamwork
- Problem-solving
- Adaptability
- Time Management

CERTIFICATIONS

- Azure Fundamentals – Microsoft – Oct 2023
- Postman API Fundamentals – Postman – Nov 2024
- Data Structures and Algorithms – DevTown – Oct 2024
- Open Source Contributor – GirlScript Summer of Code – Nov 2024
- AI Builders lab - Hack2Skill – Nov2024
- Full-Stack Development – DevTown – Aug 2024
- Google Cloud Skills Boost & APIs – Google – Dec 2024