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SUMMARY

Resourceful and detail-oriented Engineer with expertise in scalable web application development, object-oriented design, performance monitoring, and issue resolution. Experienced in problem-solving, documentation, and process improvement to enhance business efficiency. Strong analytical, organizational, and communication skills. Proficient in C++, Javascript, and modern tech stacks. Skilled in system design, functional modeling, and database management (MySQL, NoSQL). Passionate about solving complex real-world challenges, mentoring teams, and driving high-impact projects in fast-paced startup environments.

EDUCATION

•Bachelor of Technology in Electronics and Communication Engineering

Dec 2021 - Jun 2025

National Institute of Technology Durgapur

CGPA: 8.5

PROJECTS

- Notebook:** Developed a full-stack application using React.js, Node.js, and MongoDB. Implemented secure user authentication, increasing data security by 30%. Integrated custom API, reducing data retrieval time by 25% and improving overall system performance.
- Machine Learning SMS Spam Detection:** Developed a spam detection model using Python, scikit-learn, and NLTK, improving classification accuracy to 95%. Utilized Naive Bayes and Support Vector Machines (SVM), increasing detection efficiency by 20% compared to baseline models.
- Zoom Clone:** Developed a Zoom clone application using Next.js, resulting in a 30% improvement in user interface responsiveness. Implemented authentication with Clerk. Integrated Streamio for seamless audio and video communication, achieving a 25% reduction in latency. Utilized TypeScript and TailwindCSS, resulting in a 40% improvement in code.

EXPERIENCE

•Node.js Intern

May 2024 - July 2024

Cerebral Technologies

Virtual

- Developed backend services, RESTful APIs using Node.js, resulting in a 30% improvement in application performance, scalability.
- Implemented secure authentication mechanisms enhancing system security by 40% and reducing data processing time by 25%.
- Collaborated with a team of developers to integrate APIs seamlessly, improving overall project delivery time by 20%.

•Senior Web Developer

Mar 2022 - Present

Society of Automotive Engineers (SAE) club, NIT Durgapur

Durgapur, West Bengal

- Contributed to the design and development of the organization's website, improving site usability by 25%.
- Strengthened leadership skills by collaborating on multiple cross-functional projects, leading to a 20% reduction in project completion time.

•Senior Coordinator

Present

TEDx NIT Durgapur

Durgapur, West Bengal

- Collaborated with a team of 4 to design and develop the organization's website, leading 3 key visual design projects, resulting in a 25% increase in user engagement.
- Coordinated and managed 5+ events, contributing to a 30% increase in event participation and overall success.

•Senior Fest Coordinator

Present

AAT AAROHAN - Technical Fest of NIT Durgapur

Durgapur, West Bengal

- Organized the event "DEATH NOTE," attracting over 120 participants and receiving a 90% satisfaction rating from attendees.
- Led the coordination of a festival involving 10+ events, boosting overall attendance by 15%.

TECHNICAL SKILLS

Languages: C/C++, JavaScript, Typescript, HTML5, CSS3, Python, Tailwind CSS

Technologies: React.js, Node.js, Next.js, Django

Tools: VS Code, Git, GitHub

Databases: MongoDB, MySQL

Operating Systems: Linux, Windows

Coursework: Data Structures and Algorithms, OS, OOPS, DBMS, Machine Learning

Soft Skills: Problem Solving, Presentation, Adaptability, Logical Reasoning