Barun Aaryan

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Education

Parala Maharaja Engineering College (Affiliated to BPUT)   Expected June 2025
Bachelor of Technology (Electronics and Telecommunications) (CGPA: 7.90 / 10.00)   *Berhampur, Odisha*
- **Relevant Coursework:** Data Structures and Algorithms , OOPs in JAVA, Programming in C, Artificial Intelligence and Machine Learning

Skills

Languages: JavaScript, JAVA, C, Python, TypeScript,
Technologies: React.js, Express.js, Node.js, Bootstrap, TailWind CSS, Next.js, AWS
Database: Mongodb, MySQL, PostgreSQL
Miscellaneous: MVC, Socket.io, RESTful Architecture, API
Developer Tools: Docker, Git, GitHub, GitHub Actions (CI/CD)
Subjects: Data Structures and Algorithms, Object Oriented Programming, Database Management System

Experience

Defence Research and Development Organisation (DRDO)   June 2024 – July 2024
Intern - Imaging Wing   *Balasore, Odisha*
- Integrated high-speed cameras with cutting-edge image processing techniques, utilizing Python and OpenCV along with MATLAB for meticulous object tracking and analysis

Chegg, Inc.   Oct 2023 – May 2024
Subject Matter Expert,Computer Science (Part-time)   *Remote*
- Provided online tutoring in computer science, delivering clear explanations and guidance. Analyzed and resolved complex problems, ensuring accuracy and reliability by reviewing solutions and code examples.

Projects

WanderLust(Hotel Booking Website) | *Express.js, Mongodb, Node.js, Bootstrap*   *GitHub | Website*
- Led the development of a microservices-based e-commerce platform using Node.js, resulting in a 40% increase in daily transactions within the first quarter.
- Implemented MVC for strcutured framework
- Designed and deployed a scalable RESTful API achieving a 30% improvement in data retrieval speed.
- Implemented a map feature using mapbox API, where customer can see the exact location of their booked place.

MindSpring AI (Conversational Assistant) | *React.Js, Tailwind CSS*   *GitHub | Website*
- Built a real-time AI chatbot using React and integrated Google API for natural language understanding and conversation flow.
- Implemented efficient state management and API handling, reducing response time by 25% for faster and smoother conversations.

Real Time Code Editor (Test your development skills) | *React.Js, Material UI*   *GitHub | Website*
- Implemented React.Js hooks and developed a platform for in-browser editing of HTML, CSS, and JavaScript
- Designed a responsive website using Material-UI, ensuring seamless experience across devices.

Achievements and Hobbies

Hacktoberfest 2023 Contributor : Made 5 accepted PRs to open-source projects, honing my collaboration & coding skills.
Problem solver: Solved around 200+ problems across all platforms
Content Creator — 2K+ Subscribers, 30K+ Monthly Views- : Leveraged YouTube & Instagram to engage audiences with insightful and engaging content. Skilled in storytelling, video editing, and community building. Strong track record of growth and audience engagement
Aced in Short Film Making : Secured 2nd position in short film competition (campus cultural fest) for "Zindagi aur College Life" on college life. Showcased creativity, teamwork, and storytelling skills