DEVRAJ KUMAR

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Education

National Institute of Technology, Patna   **2022 - 2026**
B.Tech in Electrical Engineering   *8.2/10 CGPA*

Jawahar Navodaya Vidyalaya, Nalanda   **2019 - 2021**
Senior School Certificate Examination, CBSE   *94.4/100 Percentage*

Work Experience

National Institute of Technology, Patna   **April 2024 – Present**
Lead Web Developer   *(Deployment Link)* *(Hybrid)*

- Role : <u>Team Leader</u> of All Department Section of new Website NIT, Patna
- Stacks : **Next.js** and **Tailwind CSS** used for UI and Client side Pages.
- Created home pages for all Departments and end to end pages of EE, ME, Civil, Physics Department.
- Collaborated with seniors, alumni and professors, enhancing team dynamics and project outcomes.

Projects

Code.Alpha : Project with industry-level tech stacks.   **(Deployment Link) (Source Code)**

- Build an online judge to verdict submissions, store user's code, and show the current progress of that user.
- Stack: (using **Microservice Architecture**): **Next.js and Tailwind** for UI and **Node.js/Express.js** for Server 1 (For user-end point), Server 2 (For Compilation), **MongoDB** for storage, **DOCKER and ECR(AWS)** for containerization and **SANDBOXING**.
- It should be capable of handling a **load of up to 2000+ simultaneous users** using **Horizontal Scaling**.

Elective : Project with industry-level tech stacks.   **(Deployment Link) (Source Code)**

- A web app where an admin can upload resources and send Email to other users enrolled in the same coursework.
- Key Features: **Google authentication, password reset**, CRUD operations for resources and users, and Admin request and Authorization.
- Stack used for Frontend : **Next.js**, **Typescript**, Tailwind, Backend: Node.js/Express.js, Javascript, JWT, Database: **MongoDB**
- Result: This project currently handles 50+ real users, including both admins and regular users

Blog Medium : Project with industry-level tech stacks.   **(Deployment Link) (Source Code)**

- Blog medium is a web app that allows users to post blogs, where other users can view and upvote.
- Stack use for Frontend : **React**, **Typescript**, Tailwind, Backend: Hono, Typescript, JWT, Database: **PostgeSQL**
- Deployment: Frontend: Netlify, Backend: Cloudflare (For **serverless Backend** to reduse the cold start problem)
- By building this project, I learned how to initially handle a website effectively at a low scale and grow it as required.

Technical Skills

Languages: Python, Java, C++, JavaScript, TypeScript
Backend: Next.js, Node.js, Express.js, Severless
Frontend: Next.js, React.js, TailwindCSS, HTML, CSS
Clouds & Databases: AWS, Cloudflare, SQL, PostgreSQL, MongoDB
Web Technologies: Docker
Developer Tools: Postman, VS Code, GitHub, Prisma(ORM)

Extra Curricular Activities

Captain : Robotics Club NIT, Patna   **Aug 2024 – Present**
Student Coordinator : ICEFEET-2024   **Nov 2024**
Coding instructor : Youtube   **Dec 2024 - Present**

Achievements

- Have **solved 1200+** DSA/CP Problems on various coding platforms.
  [**Codechef: Rating 1658**] [**CodeForces: Rating 1224**] [**Leetcode**] [**GeeksForGeeks**]
- Secured a **Global rank of 147 (top 1 percent)** on CodeChef in Starters 142 contest.
- Secured **Rank 2/250+** participants in the flagship <u>Coderush</u> 2024 Coding Contest on Codeforces platform.
- Secured **Position 1/50+ in two Annual Robotics Event** 2023 "Chakraviyuh" and "The Next Hokage" organised by Robotics Club NIT, Patna.