

DEEPAK PRAKASH

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ABOUT

A Backend Developer with a passion for DevOps and Machine Learning. Experienced in building microservices and Deep Learning models, I also bring a keen interest in Blockchain and Cyber Security.

EDUCATION

B.Tech in Computer Science 8.4 CGPA BCE, Bhagalpur Expected 2023

Sr. Secondary(12th CBSE) 87.2%, SST Tilaiya 2016 - 2018

High School(10th CBSE) 93.5%, SST Tilaiya 2011 - 2016

SKILLS

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|-------------------|--|
| Languages | Python, TypeScript, C++, Solidity, bash, Golang |
| Frameworks/Skills | MERN, SQL, MongoDB, AWS, GCP, Django, web3js, Docker, Kubernetes |
| Languages | Hindi, English, French |
| Certifications | MongoDB Associate Developer , ML Specialization , Deep Learning , Statistics with SAS Blockchain Applications , Deep Learning using HPC |

EXPERIENCE

Backend Developer (Python, Django, PostgreSQL, Microservices, AWS) Mar 2023 - Now
Fairplay Discord Bot (Used in 400+ discord servers, serving 19k+ players) *Remote (US)*

- Developed Django backend and added data analysis features leveraging SQL for the bot and the dashboard.
- Added anti-cheat and ML model to filter explicit content. Managed/Improved cloud infrastructure.

Backend Developer (GraphQL, PostgreSQL, TypeScript, Microservices) Dec 2022 - Mar 2023
SOLVE CHAMP *Patna, Bihar*

- Successfully grew user base to over a thousand.
- Developed a vector DB powered solution that recommends questions to the test-takers.
- I developed a GraphQL backend using TypeScript and a code-first approach.

Full Stack Developer, Co-founder (JavaScript, MongoDB, AWS) Jul 2020 - Mar 2021
Vidyayan Eduventures Pvt. Ltd.(Funded by Government of Bihar) *Bhagalpur, Bihar*

- Successfully expanded the user base to over two thousand users.
- I developed the backend, dashboard, and Distance Matrix API for locating the nearest available tutor or student.

PROJECTS

OpenCV Chess Bot: OpenCV, d3dshot, tkinter Developed a Python-based Computer Vision bot for seamless chess playing on any screen. Implemented sockets and threading, leveraging cloud servers for more powerful computations with Stockfish.

Scalable web app: NodeJS, Kubernetes, and microservices. Developed a scalable web app using NodeJS, Kubernetes, Postgresql, Redis and Express, implemented as a Microservice architecture. The app was deployed on AWS EKS platform, allowing for effortless scaling and efficient workflow isolation with containers and Redis.

EXTRA-CURRICULAR ACTIVITIES / HOBBIES

- Avid reader, loves playing Chess, Basketball, Volleyball, Sketching and playing ukulele.
- Developing Behaviour packs for my own Minecraft server with 200+ players. Finding cheats/hacks in apps.