

JAY NANDWANA

Software Engineer

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Skills

Technologies: Django • Flutter • Android Studio • Next.js • PostgreSQL • Google Firebase • WebRTC • Oracle DB • Node.js • Git/GitHub • Tailwind CSS

Programming Languages: C/C++ (STL Library) • Python • JavaScript • Java (Basic) • SQL

Coursework: Data Structures & Algorithms • Object Oriented Programming • Operating system • Database Management System • Computer Network

Achievements

★ Accolite Digital Hiring Challenge
13.0 (Winner)

Received Offer Letter for Software
Development Engineer SDE - I
5 round Competition

★ Programmer Analyst (Selected)
Cognizant (Cyber Security Engineer - I)

Received Offer Letter

★ UPSC CDS (2022 - II) Qualified

AIR : 128

14 SSB Allahabad

Ex - Gentleman Cadet

Kohima Company, Cariappa Battalion

Indian Military Academy, Dehradun

ACADEMIC PROJECTS

Road Quality Analysis and Parameterization

Bengaluru, India

08/2021 - 05/2022

[Link to Project \(Github \)](#)

- **Technologies :** Flutter, Google Firebase, Google Maps SDK, ML library.
- **Achieved 90%+ efficiency** and a High f1 score of 0.91 in predicting road conditions and producing the Road Quality Index (RQI).
- **Reduces the chances of accident up to 50%, fuel consumption up to 10% and commute time up to 15%.**
- Utilized mobile sensors including an accelerometer, gyroscope, and GPS providing **accuracy up to 90 % in data collection.**
- Developed a mobile application for both **iOS and Android platform.**

Beat-Bytes (Blog Website)

Bengaluru, India

11/2023 - 02/2024

[Link to website](#)

- **Technologies Used :** Next.js, Tailwind CSS, Node.js, Google Firebase, vercel.
- Created a responsive blog website tailored to the interests of computer science enthusiasts.
- The blog website significantly boosts user interaction and SEO performance by an impressive 50%.
- Crafted an interface ensuring adaptation to all devices and screen sizes for enhanced accessibility and user experience.

Bharat Shopee (E-commerce Website)

Bengaluru, India

11/2020 - 03/2021

[Link to Project \(Github \)](#)

- **Technologies used :** Django, PostgreSQL, JavaScript, HTML/CSS.
- Enabled local producers to sell their products efficiently in a digital marketplace, **reducing middleman and operational costs by 15%.**
- Implemented ORM (Object-Relational Mapping) to reduce the chances of SQL injection by 90% and enhance security.
- Seamlessly **integrated a UPI-based** online payment gateway, enabling transactions of up to 25 thousand rupees for enhanced convenience.

Education

Bangalore Institute of Technology

Bengaluru, India

B.E. (Computer Science and Engineering) | CGPA: **8.01** / 10.00

2018 - 2022

D.A.V. Public School

Kota, Rajasthan

12th C.B.S.E. | Percentage : **90.66** / 100

2017 - 2018

Experience

Exposys Data Labs

Bengaluru, India

Software Development Intern

03/2022 - 05/2022

- Developed of a web application enabling seamless peer-to-peer communication.
- Ensured seamless integration of WebRTC technology supported by all major 5 web browsers.
- Application leverages UDP for rapid communication, achieving 10%-20% lower latency compared to websockets.