

# 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

## 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)**  
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 High f1 score of 0.91 in predicting road conditions and producing the Road Quality Index (RQI).
- **Reduces chances of accident up to 50%, Fuel consumption up to 10% and commutation time up to 15% .**
- Utilized mobile sensors including accelerometer, gyroscope, and GPS providing **accuracy up to 90 % in data collection.**
- Developed a mobile application for both **iOS and Android platforms.**

### Beat-Bytes ( Blog Website )

Bengaluru, India

11/2023 - Present

[Link to website](#)

- **Technologies Used :** Next.js, Tailwind CSS, Node.js, Google Firebase, vercel
- Developed a responsive blog website catering to diverse interest and audiences.
- Designed customizable themes to personalize the blogging experience.
- Designed a interface that adapts seamlessly to various devices and screen sizes.

### Bharat Shopee ( E-commerce Website )

Bengaluru, India

11/2020 - 03/2021

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

- **Technologies used :** Django, PostgreSQL, JavaScript, HTML/CSS
- Empowered local producers to showcase and sell their products efficiently in the digital marketplace.
- Implemented **ORM (Object-Relational Mapping)** to prevent SQL injections 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

- Contributed to the development of a web application enabling seamless peer-to-peer communication.
- Ensured seamless integration of WebRTC technology for reliable and efficient peer-to-peer interactions.