

# JAY NANDWANA

## Software Engineer

8107115576 • jaynandwana2018@gmail.com • <https://jaynandwana.vercel.app/> • <https://www.linkedin.com/in/jay-nandwana/> • India

## 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 Networks

## 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 the 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 interests and audiences.
- Designed **light and dark themes** to personalize the blogging experience.
- Designed an 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.