

## BRIEF SUMMARY

I am a passionate and result-oriented Computer Science and Artificial Intelligence undergraduate with a strong foundation in full-stack web development, cloud services, and machine learning. With hands-on experience building scalable applications like BingeShop and RelayWire, and proficiency in technologies such as MERN stack, AWS etc. I aim to leverage my technical acumen to contribute meaningfully to innovative software projects. I am seeking an opportunity where I can grow as a developer, contribute to impactful solutions, and continuously expand my skill set while aligning with the organization's goals of innovation and excellence.

## KEY EXPERTISE

ReactJS NodeJS Express.js Redux MongoDB MySQL tailwindCSS Bootstrap framer-motion Python  
CPP TypeScript HTML5 CSS EC2 S3 AWS Github GIT Linux

## EDUCATION

### Pranveer Singh Institute of Technology

2022 - 2026

B.Tech. - Computer Science | Percentage: **77.08 / 100**

### Guru Nanak Public School, Kanpur

2021

12<sup>th</sup> | CBSE | Percentage: **82.16 / 100**

### Dr PR Wasson Public School, Kanpur

2019

10<sup>th</sup> | CBSE | Percentage: **89.33 / 100**

## PROJECTS

### maizeApp - Maize Disease Prediction App

Team Size: 5

**Key Skills:** Python Flask TensorFlow Keras NumPy Google Generative AI React.js Tailwindcss

**Project Link:** [https://github.com/Prakhar140303/maize\\_disease\\_prediciton](https://github.com/Prakhar140303/maize_disease_prediciton)

Trained a CNN(Convolution Neural Network) on 6 000+ maize-leaf images spanning 5 disease categories, achieving 93 % accuracy.

Built a Flask API and React front-end, processing 20 images/min and handling 50 concurrent requests.

Integrated image preprocessing (resizing, normalization) and ensured consistent inference performance across diverse input conditions.

### BingeShop - Scalable E-commerce Platform

Team Size: 1

**Key Skills:**

Express.js React.js TailwindCSS ShadeCN JWT token framer motion MongoDB NodeJS Redux  
Javascript HTML5 CSS RazorPay Redis

**Project Link:** <https://bingeshop.onrender.com/>

Developed a full-stack e-commerce platform with features like user authentication, product listing, and shopping cart handling 500+ products efficiently.

Implemented JWT authentication and used Redux for state management, improving the user experience by 40%..

Designed a scalable MongoDB schema with Redis caching, reducing query time by 70%.

Implemented pagination to efficiently load large product catalogs, enhancing performance for high traffic.

### RelayWire - Real-time Chat WebApp

Team Size: 1

**Key Skills:**

MongoDB Express.js Node.js React.js Javascript HTML5 CSS Flexbox Socket.io zustand daisyUI  
tailwindCSS

**Project Link:** <https://relaywire.onrender.com/>

Built a real-time messaging platform enabling instant chat using Socket.io and WebSockets that supports upto 300 concurrent users.  
Integrated JWT-based authentication and authorization for secure user sessions.  
Managed global state using Zustand, ensuring efficient performance and reactivity.  
Designed responsive UI using TailwindCSS and Daisy UI for a clean, modern look.

ACHIEVEMENTS

- Problem Solving: Solved 1100+ problems on various coding platforms.
- Participated in 20+ contests (Max rating: 1770) on LeetCode.
- Secured rank #84 out of 35000 in Naukri codequezt #20 Coding Challenge- Top 0.24% nationwide

CO-CURRICULAR ACTIVITIES

- Competitive Programming

EXTRA CURRICULAR ACTIVITIES

- Hackathons & Coding Competitions

PERSONAL INTERESTS / HOBBIES

- Badminton
- chess

IMs

- WhatsApp - 7800900550

PERSONAL DETAILS

<b>Gender:</b> Male	<b>Date of Birth:</b> 14 Mar, 2003
<b>Marital Status:</b> Single	<b>Known Languages:</b> English, Hindi
<b>Current Address:</b> 17/10 white tripple colony, dada nagar, Kanpur, Uttar Pradesh, India - 208022	<b>Phone Number:</b> +91-7800900550
<b>Email:</b> prakharsingh130303@gmail.com	