

# Ayush Rai

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## PROFESSIONAL SUMMARY

Skilled Full Stack Developer with expertise in web development using React, Node.js, and MongoDB, alongside proficiency in Android development and machine learning.

Developed Android applications such as a Notes app (with cloud storage using Firebase), Chat app, BMI calculator, and News app (using News API).

Created and deployed machine learning-based web applications for diabetes prediction, house price prediction, and spam detection.

Seeking opportunities to contribute technical expertise across web, mobile, and AI-driven solutions, bringing creativity and problem-solving to dynamic environments.

## EDUCATION

<b>United College of Engineering and Research</b> <i>Bachelor of Technology (B.Tech) in Computer Science</i>	Prayagraj, Naini 2022 – 2026
<b>St. Francis School</b> <i>Intermediate, Scored: 91.2%</i>	Ramnagar, Varanasi 2021
<b>St. Francis School</b> <i>High School, Scored: 91.4%</i>	Ramnagar, Varanasi 2019

## PROJECTS

<b>Grievance Cell</b>   <i>React, Node.js, MongoDB</i> <ul style="list-style-type: none"><li>Developed a platform to handle complaints registered by college students.</li><li>Implemented a user-friendly interface for students to submit and track grievances.</li><li>Used MongoDB for efficient data storage and retrieval.</li></ul>	Jan 2023 – Present
<b>Waste to Wealth</b>   <i>React, Node.js, MongoDB</i> <ul style="list-style-type: none"><li>Created a system for efficient waste management, tracking waste to renewable resources.</li><li>Developed location tracking to provide information to municipalities for waste collection.</li></ul>	July 2023 – Present
<b>ShopEasy</b>   <i>React, Node.js, MongoDB</i> <ul style="list-style-type: none"><li>Developed a web application to manage products, orders, and inventory for shops, malls, and marts.</li><li>Implemented features like stock management, order tracking, and product listing.</li></ul>	April 2023 – Present
<b>Product Data Management</b>   <i>React, Node.js, MongoDB, Barcode</i> <ul style="list-style-type: none"><li>Created a system to store product data and fetch details using barcodes.</li><li>Implemented an efficient barcode scanning feature for product lookup.</li></ul>	Sept 2023 – Present
<b>Notes App</b>   <i>Android, Firebase</i> <ul style="list-style-type: none"><li>Developed an Android app to store and manage notes, with user registration and authentication using Firebase.</li><li>Implemented cloud-based storage for note data using Firebase Realtime Database.</li></ul>	Oct 2023 – Present
<b>Chat App</b>   <i>Android, Firebase</i> <ul style="list-style-type: none"><li>Created a real-time chat app with Firebase integration for messaging and profile management.</li><li>Enabled image upload for user profiles and used Firebase Firestore for real-time chat data.</li></ul>	Nov 2023 – Present
<b>BMI Calculator</b>   <i>Android</i> <ul style="list-style-type: none"><li>Built an Android app to calculate Body Mass Index (BMI) and provide feedback on user health status.</li></ul>	Sept 2023 – Present
<b>News App</b>   <i>Android, News API</i> <ul style="list-style-type: none"><li>Developed an Android app that fetches top 10 news articles in different categories using News API.</li><li>Implemented a clean user interface for browsing news based on categories.</li></ul>	Dec 2023 – Present
<b>Diabetes Prediction Web App</b>   <i>Flask, Machine Learning, Deployed</i>	Aug 2023 – Present

- Created a machine learning model for predicting diabetes based on user input, deployed the app at [diabetespredictor-1.onrender.com](https://diabetespredictor-1.onrender.com).

#### House Price Prediction Web App | *Flask, Machine Learning*

July 2023 – Present

- Built a web app to predict house prices using machine learning models based on input features.

#### Spam Detection Web App | *Flask, Machine Learning*

Sept 2023 – Present

- Developed a web app that predicts whether a message is spam or not using a trained machine learning model.

### TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib

### EXTRA-CURRICULAR ACTIVITIES

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Actively participated in prestigious tech competitions such as Tata Imagination 2024, Flipkart Grid 2024, Smart India Hackathon 2024, and UHack 3.0 2024, enhancing coding, problem-solving, and innovative thinking skills.

Led a team of four to develop multiple innovative projects, including Grievance Cell (student complaints platform), ShopEasy (online shop system), Waste to Wealth (waste management system), and ProductDataManagement (product tracking system using MongoDB), utilizing the MERN stack.

Participated in KAINOS 2024: Online National Hackathon.

Competed in Luminous Techno X, showcasing tech creativity.

Tata Crucible Campus Quiz 2024 participant, focused on general knowledge and business acumen.

Participated in the Loreal Sustainability Challenge 2024, focusing on sustainable solutions for a better future.

### ACHIEVEMENTS

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Scored 91.2% in Intermediate (2021) and 91.4% in High School (2019).

Possess a strong command in Web Development, Android Development, and Data Structures & Algorithms.