

# Prateek Dwivedi

Full Stack Developer building scalable, AI-integrated web solutions

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Mohali, India

## WORK EXPERIENCE

### Rmak Solutions

May 2024 – Jun 2024

Software Development Intern

Mohali, India

- Built a responsive web application using **React.js** and **TailwindCSS**, resulting in an **18% increase** in user engagement.
- Developed a **RESTful API** using **Node.js** and **Express.js** to handle frontend requests, ensuring seamless data flow and low latency.
- Optimized **MongoDB** queries, cutting response time by **25%**, and implemented **JWT authentication** to secure data for **600+ users**.
- Managed cloud deployment on **AWS (EC2, S3)**, ensuring consistent application availability and 99% uptime during the testing phase.

## PROJECTS

### AI Browser Extension | *JavaScript, Manifest V3, REST APIs*

2025

- Developed a Chrome extension using **JavaScript** and **Manifest V3**, utilizing **Generative AI** to automate text summarization for web content.
- Implemented asynchronous data handling to process API requests efficiently, delivering intelligent context analysis with **sub-second latency**.
- Deployed secure **content scripts** to manipulate the DOM dynamically, maintaining a high performance score on Google Lighthouse audits.
- Designed a non-intrusive popup UI, eliminating tab-switching to save users approx. **15 minutes** per research session.

### Voice-Based Expense Tracker | *React.js, Node.js, MongoDB, Web Speech API*

2025

- Built a **speech-enabled** financial dashboard using **React.js**, achieving **95% transcription accuracy** via the Web Speech API.
- Programmed a backend parsing engine in **Node.js** with **Regex** to accurately extract **3 key data points** (Amount, Category, Date) from voice inputs.
- Implemented a scalable **RESTful API** on **MongoDB** to manage transaction records, ensuring secure data persistence.
- Improved mobile accessibility, reducing manual data entry time by **40%** through accurate voice-to-JSON data conversion.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), C++, HTML5, CSS3

**Frontend:** React.js, TailwindCSS, Redux

**Backend:** Node.js, Express.js, REST APIs, JWT

**Database & Cloud:** MongoDB, AWS (EC2, S3), Docker, Mongoose

**AI & Productivity:** GitHub Copilot, Cursor AI, ChatGPT, Prompt Engineering, LLM Integration

**Tools:** Git, GitHub, Postman, VS Code, Linux (Ubuntu)

## EDUCATION

### Chandigarh University

Aug 2022 – May 2026

Bachelor of Engineering in Computer Science

CGPA: 6.92

### Dr. Virendra Swarup Memorial Public School

Apr 2021 – Mar 2022

Class XII (ISC Board)

Percentage: 68.25%

### Dr. Virendra Swarup Memorial Public School

Apr 2019 – Mar 2020

Class X (ICSE Board)

Percentage: 76%

## CERTIFICATIONS & INTERESTS

**Certifications:** Cloud Computing, Internet Of Things (IoT)

**Interests:** FinTech, Algorithmic Trading, Open Source Contributing