

# PARTH PANKAJ SINGH

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## PROFESSIONAL SUMMARY

B.Tech CSE student (CGPA 9.18), currently in my **penultimate year**, with 2+ years of experience engineering **scalable**, cloud-ready full-stack applications using React.js, Next.js, Node.js, and MongoDB. Proven proficiency in **data structures**, **algorithms**, and **system design**. I specialize in building solutions with clean architecture, secure APIs, and a focus on **Generative AI** applications for real-world problem-solving.

## EDUCATION

<b>Bennett University</b>	Aug 2023 – June 2027
Bachelor of Technology in Computer Science Engineering	CGPA: 9.16/10.0

## TECHNICAL SKILLS

<b>Languages</b>	JavaScript, TypeScript, Python, Java, C++, SQL, HTML, CSS
<b>Frontend</b>	React.js, Next.js, Angular, Redux, Tailwind CSS, Bootstrap
<b>Backend</b>	Node.js, Express.js
<b>Databases</b>	MongoDB, PostgreSQL, MySQL, Firebase
<b>Cloud</b>	AWS, GCP, Docker, Git, GitHub, Postman, Figma
<b>Authentication</b>	JWT, NextAuth, Firebase Auth

## PROFESSIONAL EXPERIENCE

<b>Frontend Developer</b>	Jul 2024 – May-2025
<i>Freelance Projects</i>	

- Delivered 15+ responsive full-stack web apps using React.js and Next.js, increasing client retention by 40%
- Integrated 20+ REST APIs and enhanced UI load efficiency, cutting average latency by 35%

## PROJECTS

<b>Walmart In-Store Navigation System – Smart Retail Assistant</b>	<a href="#">[Live]</a> — <a href="#">[GitHub]</a>
<i>React.js, Node.js, MongoDB, Dijkstra’s Algorithm, OpenAI API</i>	

- Built an intelligent pathfinding system using Dijkstra’s algorithm to optimize in-store navigation for 100+ users
- Decreased average item search time by 60% through real-time routing and map-based layout visualization
- Deployed OpenAI powered chatbot trained on inventory to answer item locations, deals, and meal suggestions
- Orchestrated modular backend with live inventory tracking and targeted combo recommendations to increase basket value

<b>HealthSphere – AI-Powered Healthcare Platform</b>	<a href="#">[Live]</a> — <a href="#">[GitHub]</a>
<i>React.js, Node.js, MongoDB, Express.js, OpenAI API, JWT</i>	

- Developed HIPAA-compliant health portal serving 500+ patients, enabling video consultations and secure records
- Automated 80% of patient onboarding and diagnostics via OpenAI-integrated reporting assistant
- Built 10+ RESTful APIs with JWT-secured access, reducing unauthorized access incidents by 100%
- Refined scheduling workflows to cut appointment coordination time by 50%

<b>SyncUp – Enterprise Task Management Platform</b>	<a href="#">[Live]</a> — <a href="#">[GitHub]</a>
<i>React.js, Node.js, MongoDB, Express.js, JWT, Chart.js, VideoSDK</i>	

- Programmed a scalable SaaS task platform with 1000+ users collaborating via role-based team structures
- Visualized live productivity metrics via Chart.js, enhancing team performance tracking by 45%
- Enabled end-to-end document workflow with encrypted sharing, cutting cross-team delays by 35%
- Implemented WebSocket-based real-time sync across devices, boosting user activity by 3x

## ACHIEVEMENTS

- Shortlisted in 10+ national hackathons including Hackacchino and Smart India Hackathon (SIH)
- Top 10 Finalist** – Microsoft Innovate Hackathon 2024 for building a scalable enterprise solution