

# Bikash Agarwala

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## PROFESSIONAL SUMMARY

Aspiring software engineer with strong problem-solving skills and full-stack development experience. Seeking opportunities in a dynamic service-based organization to contribute to diverse projects while enhancing technical and professional skills.

## EDUCATION

<b>Asansol Engineering College</b> West Bengal, India	B.Tech in Information Technology   GPA: 7.80 May 2022 – Aug 2026
<b>S.H.M.S Inter Mahavidyalaya</b> West Bengal, India	Higher Secondary (PCM)   Percentage: 76 2019 – 2021

## EXPERIENCE

<b>Software Development Engineer Intern   Komfy Trip LLP</b> – Built <b>flight, hotel, and holiday booking modules</b> for <b>10,000+ monthly users</b> , enhancing user experience. – Integrated <b>secure payments</b> and <b>WhatsApp automation</b> , boosting engagement by <b>30%</b> . – Developed scalable backends with <b>FastAPI, MongoDB, Redis, and Celery</b> , reducing latency by <b>25%</b> . – Optimized database queries and async tasks, achieving <b>40% faster processing</b> during peak traffic. – Collaborated with designers, QA, and marketing teams, ensuring <b>on-time feature rollouts</b> .	Aug 2024 – Present
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## SKILLS

<b>Languages:</b> Java, Python, JavaScript, SQL, HTML/CSS, C/C++ <b>Frontend:</b> React.js, Next.js, Zustand, Redux, Tailwind, Bootstrap, Material-UI <b>Backend:</b> Spring Boot, FastAPI, Spring MVC, Spring REST, Spring Security, Jakarta EE <b>Databases:</b> MySQL, MongoDB, PostgreSQL <b>Tools:</b> Git, GitHub, Docker, Redis, Celery <b>Soft Skills:</b> Teamwork, Communication, Leadership, Problem Solving, Time Management
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## PROJECTS

<b>FoodEase   Spring Boot, Next.js, MySQL, Zustand, Tanstack Query, Tailwind CSS</b> – Developed an <b>online food ordering platform</b> with a restaurant dashboard for menu/offer management – Implemented <b>real-time order management</b> system for restaurants and users with dynamic status updates – Used <b>Zustand</b> for local state and <b>TanStack Query</b> for efficient API data caching and synchronization – Built secure REST APIs with <b>Spring Boot</b> and optimized backend queries for faster order processing
<b>Chatify   Spring Boot, WebSocket, React.js, Tailwind CSS</b> – Built a <b>real-time chat application</b> supporting instant room creation and live messaging with WebSocket – Designed and deployed <b>responsive frontend</b> using <b>React.js</b> and <b>Tailwind CSS</b> – Integrated <b>WebSocket-based message broadcasting</b> for seamless real-time communication – Handled user connections, disconnections, and chat room management securely at the backend
<b>HealthyMe   React.js, Tailwind CSS</b> – Created an <b>AI-powered health assistant</b> offering personalized fitness tips and mental wellness support – Designed clean and mobile-friendly UI with <b>React.js</b> and <b>Tailwind CSS</b> – Integrated third-party <b>health APIs</b> and basic recommendation algorithms for dynamic suggestions – Focused on improving user engagement through intuitive UX and responsive component layouts

## AWARDS & ACHIEVEMENTS

Successfully organized a bootcamp — <b>S.A.M.U.R.A.I</b> and a hackathon — <b>S.M.A.S.H</b> , where <b>200+ participants</b> showcased their innovative ideas and working prototypes in offline mode.
Ranked 12 <sup>th</sup> out of 1100+ participants (235 teams) in the <b>IHMMC</b> competition.
Web Technology Lead at <b>GDG on Campus AEC (2024–25)</b> — leading web technology initiatives and organizing workshops.
Web Technology Facilitator at <b>GDSC AEC (2023–24)</b> — facilitated web development sessions and mentored junior students.
Hardware Club Representative at <b>Asansol Engineering College</b> .