

# Kartikay Singh Pundir

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## Education

<b>Ajay Kumar Garg Engineering College, Ghaziabad</b> <i>Bachelor of Technology in Computer Science and Engineering - 8.9 CGPA</i>	Aug 2021 – May 2025
<b>The Doon Valley Public School</b> <i>Senior Secondary Education (CBSE Board) - 93.2%</i>	Apr 2019 – May 2022

## Experience

<b>Software Incubator - Software Development Center</b> <i>Full Stack Developer</i>	<i>Ghaziabad, Uttar Pradesh</i> <i>Oct. 2024 – Present</i>
<ul style="list-style-type: none"><li>Working as Full Stack Developer with 45 other members handling both <b>Front-end and Back-end</b> and maintaining projects.</li><li>Facilitated technical workshops and peer programming sessions, promoting knowledge sharing and establishing coding standards across development teams.</li></ul>	
<b>NusterAI</b> <i>Full Stack Developer</i>	<i>Jersey City, NJ</i> <i>Jan. – May 2024</i>
<ul style="list-style-type: none"><li>Developed full-stack web applications supporting <b>5,000+ concurrent users</b> with scalable front-end to back-end architecture.</li><li>Engineered <b>CI/CD pipelines</b> and <b>Docker containerization</b>, reducing deployment time by 40</li><li><b>Promoted to Tech Lead</b> in 3 months, leading 5-member team and improving feature delivery by 25</li><li>Built reusable <b>UI components</b> and <b>microservices APIs</b>, enhancing performance and enabling horizontal scalability.</li></ul>	

## Projects

<b>CodeClash</b> <a href="#">🔗</a> — <i>Node.js, Next.js, PostgreSQL, Docker, AWS</i> <a href="#">🔗</a> <b>GitHub</b> <a href="#">🔗</a>	<i>Dec. 2024 - Feb. 2025</i>
<ul style="list-style-type: none"><li>Developed a full-stack competitive programming platform enabling real-time 1v1 coding battles using <b>Next.js</b> and <b>Node.js</b>.</li><li>Built <b>Dockerized code execution service</b> with <b>BullMQ/Redis</b> for secure, concurrent submission handling.</li><li>Created responsive UI with live status indicators, animated transitions, and theme-aware code editors.</li><li>Integrated <b>AWS Lambda</b> for serverless code execution and <b>WebSockets</b> for real-time matchmaking.</li><li>Deployed on <b>Kubernetes/AWS</b> with load testing validated for 150-200 concurrent users.</li></ul>	
<b>Classence</b> <a href="#">🔗</a> — <i>Node.js, Typescript, React, MongoDB, Socket.IO, WebRTC</i> <a href="#">🔗</a> <b>GitHub</b> <a href="#">🔗</a>	<i>Nov. 2024</i>
<ul style="list-style-type: none"><li>Developed full-stack educational platform using <b>React</b> and <b>Node.js/TypeScript</b> for seamless learning experience.</li><li>Built <b>real-time features</b> including chat, live lectures, and assignments using <b>Socket.IO</b> and <b>WebRTC</b>.</li><li>Designed responsive <b>React frontend</b> with intuitive UI components for lecture streaming, assignment management, and student interaction.</li><li>Implemented <b>MongoDB</b> for chat storage with privacy controls and <b>AWS S3</b> for scalable file management.</li><li>Established <b>CI/CD pipelines</b> reducing deployment time and errors by 30%.</li></ul>	

## Skills

**Languages:** Python, Bash, C/C++, JavaScript, TypeScript, HTML, CSS  
**Frameworks & Libraries:** Next.js, React, Redux Toolkit, Tailwind CSS, Node.js, Material-UI, GSAP, shaden/ui  
**Databases:** PostgreSQL, MongoDB, Redis  
**Cloud & DevOps:** AWS (Lambda, S3, EC2), Google Cloud Platform, Docker, Kubernetes, CI/CD Pipelines  
**Tools & Platforms:** Git, GitHub, Postman, VS Code, BullMQ, Socket.IO, WebRTC, WebSockets

## Achievements

- Secured the 1st position out of 500+ participants in long contest **INCLUDE 3.0** at AKGEC, Ghaziabad.
- Smart India Hackathon (SIH) Finalist**, selected to compete at the national level.
- Solved **200+ questions** across coding platforms; currently **Codeforces Specialist** — [pudv95](#) [🔗](#)
- Open Source Contributor at OSS-Fuzz-Gen**, with 10+ PRs merged, enhancing experiment execution and UI.
- Secured 1st place at the prestigious **HackTech 2025 ABES** competition, competing with 150+ teams.