Vinay Pandey

Bachelor of Technology
Computer Science Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	IIIT Delhi	8.46 CGPA	June 2023
Senior Secondary	DAV Sreshtha Vihar, Delhi	96%	June 2019
Secondary	Holy Angels School, Ghaziabad	92.2%	June 2017

EXPERIENCE

- Microsoft India [🌐]   June 2023 - Present
  Software Engineer   Noida, India
  ◦ Developed real-time telemetry service for Windows File Explorer's Dark Mode; enabled feature usage tracking across 100M+ devices globally and contributed to Dark Mode UI alignment across multiple system dialog boxes; ensured visual consistency across 5+ contrasting themes and improved accessibility for millions of users.
  ◦ Designed and implemented an infrastructure-aware automation tool for Copilot deployments across ISVs like Siemens; reduced deployment time by 40% via tailored DevOps workflows and CI/CD pipelines.
  ◦ Built a security automation pipeline with breach alerts, reducing acknowledgment by 95% and resolution time by 80%. Optimized traceability dashboards via wrapper functions and cross-cluster workflows, cutting latency by 99% and enabling monthly trend analysis across BlackRock's Aladdin synthetic environment.
  ◦ Enhanced anomaly detection fidelity for BlackRock's Aladdin synthetic system; reduced alert latency from 3 hours to under 5 minutes and improved accuracy by 90% using telemetry signals across critical production environments.

- Microsoft India [🌐]   May 2022 - July 2022
  Software Engineer Intern   Hyderabad, India
  ◦ Developed a push-based notification service that increased user engagement by 25% and reduced notification delivery time by 40%, informing users about actions performed by others on the platform.
  ◦ Collaborated with my mentor to create comprehensive technical design documentation, improving decision-making efficiency by 30% through detailed insights into architecture and in-depth analysis of cost and latency. This documentation was shared with 3 key stakeholders to ensure alignment and informed decision-making.
  ◦ Delivered a production-ready push-based notification system within 2 months of internship, leveraging Azure Service Bus, Event Hub, and Key Vault for secure, scalable event propagation and credential management.

PROJECTS

- Tasque Tracker: Intelligent Project Workflow Management System   Jan 2021 - June 2021
  Tools: Node.js, React, MySQL, JWT, Grafana, Socket.io, JUnit, Azure, Docker, Kubernetes   [🎮]
  ◦ Built task manager using Node.js, React, MySQL; reduced manual assignment time by 40%
  ◦ Secured access with JWT; enabled role-based control for 100+ users across five hierarchy levels
  ◦ Deployed microservices on Azure using Docker, Kubernetes; achieved 99.9% uptime with auto-scaling
  ◦ Centralized project monitoring; improved owner visibility across 10+ concurrent projects

- Color Switch: OOPs based GUI implmention of the color switch game   Jan 2021 - June 2021
  Tools: Node.js, MongoDB, Firebase, OAuth 2.0, Git + GitHub/GitLab, JavaFX, Java (OOP)   [🎮]
  ◦ Designed dynamic obstacle engine for real-time gameplay using Factory and Strategy patterns
  ◦ Designed save/load system using primitive serialization for game state persistence
  ◦ Designed bonus modules (Supersonic, Force Field) to enhance gameplay engagement by 30%
  ◦ Evaluated collision detection via Iterator pattern, improving accuracy across 5+ shape types
  ◦ Collaborated with UI module to implement 6 interactive menus for seamless user navigation

SKILLS

- Programming Languages : Java, JavaScript, SQL, HTML/CSS, Python, Shell, Bash, C++, C#
- Tools & Technologies : Git + GitHub/GitLab, Node.js, React, MySQL, JWT, Kubernetes, MongoDb, Docker, Kubernetes, Visual Studio, ML Studio, Copilot Studio, Azure Web Services, Azure Cloud, Azure DevOps

CERTIFICATIONS

- Microsoft Global Hackathon 2024, Copilot for SOS | Hack for Business Copilot   *October 2024*
- Microsoft Global Hackathon 2023, Speech/Text to Sign Language | Hack for Accessibility   *October 2023*

ACHIEVEMENTS

- Most Liked Microsoft Global Hackathon Project 2023
- LeetCode Badges - 100 Days Badge, 50 Days Badge | Solved 250+ Problems
- Secured a rank within the top 1%ile, out of 1.15 million candidates , in the Joint Entrance Examination Mains
- Secured 96% in Class XII Science Board Sexamination (2019), ranking in the top 1 percentile among 6 million students.