

Pranav Srusti

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EDUCATION

Vishwakarma Institute of Technology, Pune

B.Tech Electronics and Telecommunication (CGPA: 9.1)

Semester Exchange: Hof University of Applied Sciences, Germany (Computer Science)

- Achieved perfect 1.0 grade in master's-level Data Engineering and Analysis course during exchange program.
- Publication: IEEE (ISBN: 978-1-6654-6851-0) Developing Complex Full Stack Java-Based Spring Cloud Applications; ISBN: 978-93-87793-46-0.

Pune, IN

Graduation: June 2022

Semester 6, 2021

Maharashtra State Board

Modern College of Art, Science and Commerce (First Class)

Pune, IN

Graduation: June 2018

EXPERIENCE

Nutrien India Digital

Software Engineer

Pune, IN

Oct 2025 – Present

- Championed unit testing practices in team's MFE package, authoring extensive tests to raise code coverage from 47.3% to 77.9%; established ongoing contributions from team members to sustain growing coverage metrics.
- Identified opportunity to scale engineering best practices; equipped QA with Apollo Client and comprehensive schema validation playbook, establishing self-service testing capabilities that improved release quality and cross-functional collaboration.
- Recognized testing workflow inefficiencies creating release bottlenecks; built feature flag toggle tool that gained organic cross-department adoption and production integration, streamlining QA processes and improving go-to-market agility for new features.

Associate Software Engineer

June 2023 – Oct 2025

- Diagnosed critical performance bottleneck affecting user retention; improved planning feature performance by 70% (17s to 4s load times) through virtualization, React optimizations, and GraphQL API improvements that reduced response times by ~5s, directly enhancing user experience and platform adoption across enterprise clients.
- Drove structured planning initiative to eliminate costly rework; led end-to-end breakdown of 27+ feature tickets achieving near-zero iteration through proactive cross-functional alignment, reducing development cycles and enabling predictable delivery of features.
- Identified technical debt impacting development velocity; streamlined UI components by 40% through strategic design of reusable modules, accelerating feature delivery by 30% and enabling faster response to market demands across multiple product lines.

John Deere India

Graduate Engineer Trainee

Pune, IN

July 2022 – June 2023

- Spearheaded 2 John Deere Global Hackathons as junior engineer by automating 500M+ data point reporting with Databricks EDA; solution was productionized department-wide, eliminating manual processes and enabling data-driven decision making.
- Architected fault-tolerant data pipelines processing 150M+ records daily using PySpark and Hadoop; achieved zero data loss through custom integrity algorithms, reducing downstream errors by 95% across 5+ teams and ensuring reliable analytics.
- Accelerated cross-team productivity by designing reusable integration templates adopted by 10+ internal/external teams and configuring DataDog monitoring across 60+ services, reducing issue resolution time by 40% and improving system reliability at scale.

Software Development Intern

August 2021 – June 2022

- Developed a Java, Spring Boot, and AWS SQS/SNS/Lambda-based information management tool during internship, tracking 50K+ daily KPI metrics and reducing report generation time by 30% for 50+ Intelligent Solutions Group users.
- Pioneered cross-account and cross-region data ingestion with AWS Lambda, slashing pre-data transfer setups by 50% for 30+ users, presented to 150+ members, driving adoption across multiple teams.

INITIATIVES

Nutrien India Digital

- Scaled team from 4 to 21 members by creating onboarding framework that accelerated new-hire productivity and supported expansion.
- Earned 2nd place in company-wide hackathon within 2 months by building master data directory in Next.js despite no prior experience with the framework.

John Deere India

- Mentored 9 interns and graduate trainees as one of youngest team members, achieving 100% full-time conversion rate.
- Led enterprise DEI initiatives reaching 500+ employees through published content, awareness sessions, and engagement programs.

Community Engagement

- Mentored 5+ underprivileged students, providing guidance on career pathways and access to educational resources.
- Volunteered with VIT Social Welfare Program, teaching and mentoring parentless children to support their personal development.

SKILLS & CERTIFICATIONS

Skills: Java • Typescript • Spring Boot • React • GraphQL • Python • PySpark • Hadoop • AWS • Databricks • DataDog

Certifications: Scrum Foundation Professional Certificate (SFPC), Six Sigma White Belt Certification, ASM®, Fundamentals of Databricks Lakehouse Platform, Design Thinking, The Data Scientist's Toolbox