

NAITIK POPLI

SENIOR ENGINEER

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SUMMARY

Senior Engineer at Pinnacle Infotech specialising in Revit add-in development and BIM automation. Played a key role in streamlining workflows for large-scale infrastructure projects, including King Salman International Airport (Riyadh) and King Abdulaziz International Airport (Jeddah). Former Automation Engineer at DigiValet, delivering smart automation solutions for luxury hospitality. Currently also serving as tech lead at Abhyas, leading innovative startup projects. Combines technical depth with leadership to drive efficiency and innovation across industries.

TECHNICAL & SOFTWARE SKILLS

Prototyping Tools	REVIT	SQL
User Research	SCADA	React.JS
Information Architecture	AGILE	Node.JS

PROFESSIONAL EXPERIENCE

Senior Engineer - Pinnacle Infotech Solutions

JANUAR 2025 — CURRENT

- Spearheading the development of custom Revit Add-ins to streamline BIM workflows and accelerate project delivery across global construction projects.
- Automating complex BIM processes to improve accuracy and reduce manual work for MEP and structural design teams.
- Actively contributed to airport megaprojects including King Salman International Airport (Riyadh) and King Abdulaziz International Airport (Jeddah)—developing intelligent tools and BIM enhancements to support large-scale infrastructure design.
- Collaborated closely with project stakeholders to gather automation requirements and deliver tailor-made Revit solutions.
- Delivered multiple plug-ins that significantly increased modeling productivity and design coordination.

Founding Team (Ops & Tech) — Abhyas (Startup)

MARCH 2025 — CURRENT

- Developed a scalable IELTS platform using Django, React + Vite, and PostgreSQL, serving 1,000+ students & 100+ instructors.
- Architected interactive dashboards with modular content logic, improving course completion by 35% through personalized progression paths.
- Implemented robust, secure access control using JWT authentication and RESTful APIs; improved authentication success rate by 100%.
- Automated CI/CD pipeline via Render & Vercel; achieved 99.9% uptime with zero-downtime releases.
- Reduced DB latency by 45% through query indexing & caching strategies.
- Led end-to-end UX optimization cycles based on structured user feedback from 10+ coaching partners, resulting in a 40% increase in platform satisfaction scores.
- Directed a 3-member dev team with Git-based CI workflows; released 2+ updates/month

Automation Engineer—DIGIVALET**JANUAR 2023 — DECEMBER 2024**

- Developed smart TV and room automation integrations using BLE, iBeacons, and custom APIs.
- Led system deployment for luxury properties, including Reliance Jamnagar and Helios Orlando Resort (Disney project).
- Built hospitality-focused web apps using HTML5, JavaScript, and TypeScript for guest engagement and control.
- Collaborated with global teams to manage on-site installations, testing, and post-deployment support.

Design Engineer, SAE INDIA**SEPTEMBER 2018-AUGUST 2022**

- Designed and simulated ATV components using SolidWorks and ANSYS, resulting in a 10% performance improvement in competitions.
- Developed technical drawings for high-performance systems, ensuring adherence to safety and competition standards.
- Collaborated with the team to design a lightweight gearbox assembly for the ATV, optimizing performance and efficiency.

Product Designer,GIRL POWER TALK**JANUARY 2021 - AUGUST 2021**

- Successfully ensured seamless functionality across various client projects.
- Demonstrated ability to adapt automation solutions to meet diverse client needs.
- Developed Frontend of website using html5 and css.

EDUCATION**Swami Keshvanand Institute of Technology****AUGUST 2018 - JULY 2022**

- Major in Mechanical Engineering.
- Bachelor of thesis about “Real Time Monitoring of Lathe cutting tool”.

TECHNICAL HIGH SCHOOL**MAY 2017 - MAY 2018**

Gyan Jyoti Vidhyapeeth School

ADDITIONAL INFORMATION

- **Languages:** English, German.
- **Certifications:** Oracle Cloud Infrastructure, CARLA SIMULATOR
- **Awards/Activities:** Most Innovative Employer of the Year (2021)

PROJECTS

- **King Abdulaziz International Airport**
- **Jewar Airport**
- **Reliance Refinery and Reliance Hotels, Jamnagar**
- **The Oberoi Gurgaon/Chandigarh**
- **IELTS WEBSITE**
- **Al-Salama Hospital: Desk Booking Solution**