

# Vishal Bhowmick

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## Work Experience

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### TA Netgables Pvt Ltd (Saralweb)

Dec 2022 – Present

#### Software Engineer

Noida, India

- Developed a scalable payroll system for over 150 contractors, reducing payroll errors by 15%.
- Optimized PostgreSQL database performance, reducing data retrieval times by 20%.
- Worked with Linux containers and Docker for application packaging and deployment.
- Developed and deployed a cloud-based contract management system on AWS (EC2, S3, RDS, Lambda), streamlining workflows and saving 400 hours of administrative work per month while improving reporting and performance.
- Collaborated with UI/UX designers to develop VueJS components, improving user satisfaction by 15% through clear communication and teamwork.
- Conducted code reviews, ensuring adherence to best practices and improving overall code quality.

## Education

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### Bhagwan Parshuram Institute of Technology (GGSIPTU), 2018 - 2022

Bachelor of Technology, Information Technology

CGPA: 8.41

## Skills

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- **Languages:** HTML, CSS, JavaScript, TypeScript, C++, Python, Java.
- **Libraries, Frameworks:** ReactJS, VueJS, ExpressJS, NodeJS, GraphQL, Springboot., Flask, Django
- **Tools and Software:** Docker, Jenkins, Kubernetes, Git, JIRA, Postman, Babel, Webpack.
- **Cloud:** AWS, GCP
- **Database:** MySQL, PostgreSQL, MongoDB.
- **Subjects:** Data Structures and Algorithms, Object-Oriented-Programming (OOPS), CI/CD, Software Development Life Cycle (SDLC), Agile Methodology, Operating System, Database Management System, System Design

## Project

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- **Deal Predator – A Real time Price tracker and alerter ([Link](#)) :-** *Python, Flask, SQLite*
  - Developed a customizable price tracker that monitors e-commerce websites and notifies users via Telegram when products reach target prices.
  - Implemented web scraping with Selenium to extract real-time product pricing and availability data.
  - Built a Flask backend to handle product tracking, user-defined price targets, and Telegram notifications.
  - Designed an intuitive HTML/CSS dashboard for users to set targets and track price changes efficiently.
- **Devta – A devutils like opensource toolbox ([Link](#)) :-** *JavaScript, VueJs, Bootstrap*
  - Contributed to Devta, an open-source developer toolkit offering a unified platform for everyday tasks like format conversion, hashing, minification, and time manipulation.
  - Ensured efficient client-side processing, keeping conversions secure and performant without relying on external servers.
  - Helped develop a responsive web app using Vite (Vue.js) and Bootstrap, designed for both mobile and desktop users with plans for an Electron-based offline version.