

# Nilesh Singh

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## Professional Summary

Self-driven and Versatile and goal-oriented developer with strong skills in full-stack development and data analysis. Experienced in building scalable apps using React, Node.js, and MongoDB. Hands-on with real-world projects and internships in frontend, backend, and ML pipelines. Quick learner, team player and passionate about delivering practical tech solutions.

## Technical Skills

- **Languages- Frameworks & Libraries:** JavaScript ES6, Python, Java, C, SQL, HTML5, CSS3.
- **Frameworks & Libraries:** React.js, Express.js, EJS, Django, Tailwind CSS, Bootstrap.
- **Tools & Platforms:** Node.js, MongoDB, MySQL, PostgreSQL, Git, Figma, Netlify, Clerk, JWT, VS Code.
- **Data & Analytics:** Pandas, NumPy, Matplotlib, Scikit-learn, Power BI, Jupyter Notebook.

## Project Work

### NsPay – Real-Time Payment System ( Next.js, JavaScript, Firebase, MongoDB, Clerk, Shadow-cljs)

- Developed a real-time virtual currency system with robust authentication and optimized backend architecture.
- Enabled secure digital transactions and scalable infrastructure.
- Implemented transaction history, real-time balance updates, and user roles (sender/receiver).
- Designed UI for intuitive transfers and wallet management.

### JobSprout – Career Discovery Portal (HTML, CSS, JavaScript, ReactJs, Node.js, Express.js, MySQL)

- Built an interactive job portal with separate dashboards for users and admins.
- Implemented secure sessions using JWT and bcrypt; integrated learning paths for job listings.
- Added job filtering by categories, saved jobs feature, and resume upload option.
- Admin panel includes real-time job analytics and applicant tracking.

## Internship Experience

### IBM SkillsBuild (CSRBOX)

Jun 2024 - Aug 2024

#### Full Stack Developer ( HTML, CSS, JavaScript, ReactJS, ExpressJS, NodeJS, MySQL, REST APIs)

- Engineered a scalable job portal web app with user and admin dashboards.
- Integrated learning paths for job listings; developed secure REST APIs using JWT and bcrypt.
- Optimized frontend using React.js and ensured seamless backend connectivity via Express.js and MySQL.
- Implemented role-based access and real-time data operations.

### Infosys Springboard

Apr 2024 - Jun 2024

#### Data Visualization ( Python, Pandas, NumPy, Matplotlib, Scikit-learn, Jupyter Notebook)

- Conducted predictive modelling for customer churn analysis using real-world datasets.
- Built ML pipelines with Decision Tree, Random Forest, and Logistic Regression models.
- Performed feature engineering, hyperparameter tuning, and data visualization for business insight.
- Delivered visual dashboards using Power BI for stakeholder communication.

## Education

### Chaudhary Charan Singh University Meerut

Nov 2022 - Jun 2025

B.Tech in Information Technology

CGPA: 7.56

### Board of Technical Education Lucknow

Aug 2019 - Jun 2022

Diploma in Computer Science & Engineering

Percentage: 80.6

## Awards and Certificates

- **IBM SkillsBuild:** Certified in Full Stack Development.
- **Infosys Springboard:** Certified in SDLC Management and Power BI.
- **Scaler Academy:** Certified in SQL Database Management.
- **Hacktoberfest:** Contributed in hackathon 2022 and 2023.