

Abhishek Gupta

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SKILLS

PROGRAMMING

Java • Python • JavaScript • TypeScript • Data Requirements • Security Understanding

WEB DEVELOPMENT

Full Stack • Frontend • Backend • Angular • HTML • CSS • Bootstrap • React.js • Scalable Architecture • Software Design

DATABASES

Oracle • SQL • NoSQL • MySQL • SQLite • PostgreSQL • Data Environment • Redis

TOOLS AND PRACTICES

Git • GitHub • RESTful API • Linux • Agile Teams • Node.js • Express.js • New APIs • Solutions Improvement

EDUCATION

CONCORDIA UNIVERSITY

MASTER OF APPLIED COMPUTER SCIENCE

Sept 2022 - Jun 2024 | Montreal, QC

SRMIST

BACHELOR OF TECH. IN SOFT. ENG.

Jul 2016 - Jun 2020 | Chennai, TN

Percentage: 83

LINKS

Github:// [gup-abhi](#)

LinkedIn:// [gup-abhi](#)

TryHackMe:// [zang2012](#)

COURSEWORK

GRADUATE

Programming & Problem Solving
Computer Networks
Algorithm Design Technique
Artificial Intelligence
Software Design Methodology
Machine Learning
Software Project Management

UNDERGRADUATE

C++ Programming
Operating Systems
Relational Database
Java programming
Computer Networks
Python Programming
Web Programming
Algorithm Design

EXPERIENCE

TATA CONSULTANCY SERVICES | FULL STACK DEVELOPER

Aug 2020 - Aug 2022 | Gurgaon, NCR

- **Revamped** a legacy application into a single-page application, **reducing** the load time by 30%.
- **Incorporated** Redis as a caching layer to store data, **resulting** in a 40% reduction in data retrieval time and a 30% improvement in server response time.
- **Led** a team of 3 professionals, **achieving** 2 project deliverables ahead of schedule.
- **Devised** a screenshot functionality, **streamlining** defect reporting and task requests to the Jira tool, **increasing** productivity by 20%.
- **Integrated** a mail transaction feature, **boosting** user engagement on the tool by 25%.
- **Constructed** a resilient Node.js server infrastructure, **enhancing** system stability by reducing server crashes by 80%.
- **Established** error handling mechanisms to maintain database connections on errors, thereby **improving** application uptime by 99.9%.
- **Coordinated** deployments of the application on client hosting environments, **ensuring** 99.9% uptime.
- **Administered** application's database tables and queries, **enhancing** data retrieval efficiency by 30% and **reducing** query response time by 20%.
- **Guaranteed** 100% app accessibility, **enhancing** user experience for all.

PROJECTS

EXPENSE APP

Jan 2024 - Present | Montreal, QC

<https://expense-tracker-server-ers4.onrender.com/>

- Developed a project using the **PERN stack**.
- Utilized PostgreSQL for user **expense management**.
- Used React.js for an intuitive UI with **pie chart visualization**.
- **Enabled** monthly expense tracking and viewing for users.

TODO APP

Nov 2023 - Jan 2024 | Montreal, QC

<https://todo-server-hqr6.onrender.com/>

- Developed a full-stack To-Do application using the **PERN stack (PostgreSQL, Express.js, React.js, Node.js)**.
- Implemented a PostgreSQL database for **efficient data storage** and retrieval.
- Utilized Express.js and Node.js for **robust back-end** functionality.
- Enabled users to create, read, update, and delete (**CRUD**) tasks, enhancing user interaction.

TOP 250 MOVIES | CONCORDIA UNIVERSITY

Sept 2022 - Dec 2022 | Montreal, QC

<https://top-250-movies.onrender.com/>

- Developed a full-stack application integrating **Node.js** and **Angular** for robust functionality and **responsive UI**.
- Utilized IMDB APIs for top 250 movies data, enhancing **user engagement**.
- Implemented **SQLite** for efficient data storage and designed **RESTful APIs** for optimal data interaction.
- Employed advanced **design patterns** for code **maintainability** and **scalability**.