

# Abhishek Tiwari

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Portfolio: tiwariabhishek23.vercel.app

## EDUCATION

- **Netaji Subhas University of Technology** Delhi, India  
*Bachelor of Technology - ECE with specialisation in IoT*

## SKILLS SUMMARY

- **Languages:** C++, JavaScript, Python, Java, PHP
- **Frameworks:** Next.js, TailwindCss, React.js, Node.js, FastApi, Django, Pytest, CakePHP
- **Tools:** Docker, GIT, SQLite, PostgreSQL, VS Code, GitHub Actions, Redis, Apache Kafka, kubernetes
- **Platforms:** Google Cloud Platform, Linux
- **Soft Skills:** Leadership, Event Management, Adaptive, Public Speaking, Time Management, Teamwork, Problem Solving
- **Technical Skills:** Data Structure and Algorithm, Operating Systems, Computer Networking, Database Management System, Object Oriented Programming(OOPs), System Design

## EXPERIENCE

- **Back-end Development Intern @ Passbolt SA** Remote  
*Intern, Contributing to Passbolt API* May 2024 - Present
  - **Enhanced Code Maintainability & Test Coverage:** Methodically refactored code for enhanced maintainability and runtime efficiency. Crafted new unit tests and overhauled existing ones, ensuring comprehensive test coverage and elevating code quality while mitigating regression risks.
  - **Bug Fixes & Health Checks:** Proactively identified and resolved bugs, while enhancing health check procedures for optimal system performance.
- **Software Engineering Fellow @ Meta(Facebook) Open-Source** Remote link Certificate  
*MLH Fellow, Contributing to Glean.software* Sep 2023 - Dec 2023
  - **Empowered Indexers:** Integrating Scip-Python and Dotnet Indexer support. Engineered binaries, wrappers, and robust test suites for seamless, reliable integration.
  - **Enhanced Glass Functionality:** Upgraded Glass for Scip-Python and Dotnet Indexers, reinforcing stability through revised schemas and exhaustive tests
  - **Optimized Documentation:** Elevated clarity and usability of Scip-Python and Dotnet Indexer documentation, enhancing Glean.software accessibility.
- **Google Summer of Code Mentee @ INCF, Paris** Remote link  
*Student Developer, Contributed to Briansimulator.org* May 2023 - Nov 2023
  - **Developing VS Code Extension for Brian:** Developing a comprehensive VS Code extension for the Brian neural simulator, which included the implementation of key functionalities such as syntax highlighting, syntax checking, and auto-completion, resulting in an enhanced coding experience for users
  - **Created .brian File Support:** Pioneered a brand-new file format, .brian, for defining neural models in Brian and integrated support for creating and editing these files into the Brian neural simulator.
  - **Language Server Protocol:** Defined a Language Server Protocol (LSP) using Python, including support for auto-completion and diagnostic features.

## PROJECTS

- **VS Code Extension for Brian (Javascript, Regex, Jest, VS Code API, Text Mate Grammar ):** VS Code extension, provides support for .brian file, syntax highlighting, auto-completion and syntax check [Link](#)
- **CaloriCo (Python, FastApi, JWT, PostgreSQL, CalorieNinjas Api, Pytest ):** A health platform for personalised calories management, helping users track their daily intake and meet their calorie requirements [Link](#)
- **GitSpotLight (Next.js, TailwindCss, GitHub API, Chart.js, Firebase, GitHub Actions ):** Build from scratch, a portal to generate GitHub stats, compare stats and provides hiring solutions on basis of GitHub stats and contributions [Link](#)

## OPEN SOURCE CONTRIBUTIONS

- **Mozilla Firefox** Remote  
*Worked on EsMification Project and database project. Solved 20+ Issues, Reported 2 Bugs* Contributions  
*Skills: Javascript, SQLite, XML*

## HONORS AND AWARDS

- Leetcode Top 20% - Best Contest Ranking 2084 in Biweekly Contest 112 September 2023
- Programming in Java Course - Top 1% -Link Oct 2023
- Completed Google Cloud Challenge - Won 37 Badges, Google Cloud Profile - Link April 2022
- Cracked Jee Advanced Examination October 2021
- Cracked Jee Mains Examination - 98.36%ile, Rank - 16002 among 1 million candidates March 2021

## VOLUNTEER EXPERIENCE

- **Microsoft Learn Student Ambassador @ Microsoft** Remote Link  
*Organised and delivered impactful educational events and webinars for a diverse audience.* Jan 2022 - Jan 2024