

# VINEET KUMAR

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## Skills

- C# | .NET | Java | JavaScript | TypeScript | C++ | C | MongoDB | MSSQL | Node | React | NextJS | NoSQL | Bash | PowerShell | Git
- Azure | AWS | Cloud Computing | CI/CD | Unit Testing | OOP | Solid Principles | Game Development | Lambda | Agile Methodologies
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | Kernel | German – A1 | English, Hindi - C2 Proficiency level

## Experience

### Software Development Engineer - I

#### ION Trading

Pune, Maharashtra, India

01/2022 - Present

- Automated **.NET Target Framework** upgrades across **100+ Visual Studio modules**, cutting upgrade time from **2 months to just 1 week** and accelerating software maintenance.
- Developed **C#** interfaces to import and export market index, correlation, and volatility data **XML** files across systems, reducing setup time from **1 week to 10 minutes** from UAT to the production environment.
- Optimized the code pre-check-in user interface test procedure, slashing execution time from **30 minutes to 5 minutes** by developing a **Python** program to streamline and automate the **testing** process.
- Enhanced bulk scheduling of commodity trades within the **Core Java** module using Java Native Interface, achieving **100% automation** and maximizing operational efficiency for clients.
- Created **technical documentation**, resulting in a **60% reduction** in **onboarding** and training time for new hires by detailing tools, processes, and technologies used in product development using Java, C#, SQL, Visual Studio, Bamboo and Git.
- Achieved consistent **95% CI pass rate** by promoting a **rigorous code review** process, using tools like **SonarQube** and additionally conducted a session on **SOLID Principles** for the team and new hires, promoting code maintainability and **modular design**.
- Demonstrated initiative and commitment by investing time in learning about derivatives trading, resulting in more effective collaboration between **technical** and **non-technical stakeholders** from **APAC** and **EMEA** regions.

### Microsoft Learn Student Ambassador

#### Microsoft

Vellore, Tamil Nadu, India

01/2020 - 08/2021

- Conducted educational sessions on **Azure** cloud computing for over **200 participants**, enhancing participants' skills in **web application deployment** with hands-on training in setting up Azure spot **Virtual Machines** and **Apache HTTP servers**.
- Facilitated hands-on workshops for students, resulting in **100% completion** of a **full-stack** web application deployment project by utilizing **Node.js** for server development, **Docker** for containerization, and **Nginx** for **Reverse Proxy** configuration.

### Technical Head - Board Member

#### TAG Club

Vellore, Tamil Nadu, India

01/2019 - 02/2021

- Developed a custom gaming server on **AWS** for Rivera, a major event at VIT, accommodating over **100+ participants** from colleges around India maintaining an average **latency below 50 milliseconds** for a smooth gaming experience.
- Empowered **20+ club members** with valuable skills in **cloud computing** and **Linux server management**, broadening their technical expertise and applicability to various fields beyond gaming through hands-on training and practical application.

## Education

### Bachelor of Technology

#### Vellore Institute of Technology

Vellore, Tamil Nadu, India

07/2018 - 06/2022

- Major in Computer Science and Engineering

## Projects

- **SaaS Accelerator Platform**: Developed a SaaS boilerplate platform enabling entrepreneurs to sell digital products on a recurring monthly basis subscription by using **NextJS**, **Prisma**, **PostgreSQL**, **Tailwind**, **ShadCN UI**, **Razorpay**, and **Stripe SDK**. (01/2024)
- **Binance HyperTrade Bot**: Binance-based **cryptocurrency multi-threaded trade bot** for **automated trading**, handling Long and Short positions, Profit and Loss adjustments, and simultaneous open or close operations for multiple client accounts. (04/2023)

## Mentorship

- **ION Group**: Mentored new hires at ION Group on **OOPS**, **SOLID Principles** and coding practices. (01/2024 - Present)
- **Code To Express (C2E)**: Developed and maintained a **DSA repository** in **GitHub** benefitting **200+** students. (06/2019 - 03/2020)

## Accomplishments

- **Founded** a new **SaaS company**, Ray Algo, aimed at offering retail investors a toolkit for automating technical chart analysis.
- Demonstrated **strong interpersonal** and **written communication** abilities, with proven experience **collaborating effectively** with **stakeholders** across **European** and **American contexts** at Openlink Financial owned by ION Group.
- **Awarded** the title of **Beta - Microsoft Learn Student Ambassador** by Microsoft in 2022.
- Developed a keen interest in the **financial engineering** domain, acquired knowledge about the **derivatives market**, and initiated a project to build an automated trading bot for **options** and **futures**.