

# Piyush Bhangale

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## EDUCATION

- **JSPM's Rajarshi Shahu College Of Engineering** CGPA: 8.63  
*Bachelor of Technology - Computer Science* 2020 - 2024
- **Vidya Valley North Point Junior College** Percentage: 64.92%  
*HSC - Science* 2018-2020
- **D.A.V. Public School** Percentage: 74%  
*CBSE* 2005-2018

## SKILLS SUMMARY

- **Languages:** NodeJS, Typescript, Python
- **Frameworks:** Express, Flutter, React
- **Tools:** Nginx, Docker, Git, PostgreSQL, MongoDB
- **Platforms:** Linux, Windows, Web, Arduino, Raspberry, Hetzner, Digital Ocean, AWS S3
- **Soft Skills:** Leadership, Community Management

## CERTIFICATIONS

- **Cloud:** Google Cloud Certified - Cloud Digital Leader

## CO-CURRICULAR

- **Google Developer Students Club** JSPM's RSCOE  
*Cloud Lead* August 2022 - Present
- **Google Cloud Career Practitioner** JSPM's RSCOE  
*Facilitator* 2022

## EXPERIENCE

- **SoulMusic** Remote  
*Advisor and Fullstack Developer* October 2021 - December 2022
  - **Bot:** Worked mainly optimisation of the bot
  - **Website:** Redesigned the old website and added dynamic command generation on git commit
    - \* **Frameworks:** NextJS, Windi/TailwindCSS
    - \* **Tools:** Github Actions
    - \* **PaaS:** Vercel
- **Sofi** Remote  
*Fullstack Developer* January 2022 - July 2022
  - **Payment Gateway:** Created a full stack app integrating different payment gateways
    - \* **Payment Gateways:** PayPal, Razor-Pay, Stripe
    - \* **Frameworks:** Vite, React, Express
    - \* **Database:** PostgreSQL, Redis, MongoDB
    - \* **PaaS:** Vercel
  - **Administration Panel:** Created a fullstack application and implemented role based access to monitor and administer accounts to control in game spam
    - \* **Frameworks:** Vite, React, Express
    - \* **Authentication:** Firebase
    - \* **Database:** MongoDB
    - \* **PaaS:** Vercel, Hetzner
  - **IP Information layered API:** Created a layered cache API for storing and accessing IP information using HTTP API and real-time web-sockets for bi-directional low-latency communication Contributed, and joined the organization to maintain the NodeJS module for AS207111, the organisation which provides Layer 1 IP related information
    - \* **Frameworks:** Express
    - \* **Database:** PostgreSQL, Redis

## PROJECTS

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- **SendMeTo (NodeJS, Typescript, Vite, React, Express, PostgreSQL, Redis)**: A simple URL shortening service.
- **ModmailPlugins (Python, Discord)**: (My most starred repo on github) The most large catalog for different plugins for discord based modmail bot. Main contributor for Modmail's plugin ecosystem,
- **Spo2YT(Express, EJS, Google API, Youtube API, Spotify API, Nginx)**: Simple fullstack application to convert Spotify playlist to Youtube playlist.
- **Modmail Staff Stats (React, Express, MongoDB, TailwindCSS)**: A dashboard which monitors the activity of the staff based on the ticket claims and participations.
- **HastebinGolang(Golang, Webserver, MongoDB, Mux)**: Recreated popular code sharing service, hastebin in Golang using MongoDB.
- **SteekerApp(Dart, NodeJS, Typescript, Flutter, MongoDB, Discord Authentication)**: Created an multi-platform application to convert and add discord emojis to whatsapp stickers.
- **Mayuzumi(Rust, PostgreSQL)**: Created a utility bot for discord based game Karuta, leveraging multithreading to give ultra fast notifications than competitors (j500ms).
- **Whiteboard(React, Canvas)**: Created a minimal browser based whiteboard using canvas.
- **Mikuchan(NodeJS, Typescript, Discord, Wit.ai)**: Created an utility discord bot for a popular discord based game, AnimeSoul, which held mini typerace events, and used AI to destructure messages and create reminders.
- **LegacyTracker(NodeJS, MongoDB)**: Created a system status service for a RolePlay gaming community which would update the status of their systems
- **StickyNickname(Kotlin, NodeJS, Python, PostgreSQL, MongoDB, )**: A fun, discord based bot for administrators to put a sticky nickname or sticky (kick, message delete and voice channel kick) on a member of the server. This bot was initially created in Kotlin, which then had undergone 3 major versions, the latest one being in Python, using PostgreSQL and Redis
- **MumbleNotifier(NodeJS, Mumble)**: A small bridge between popular TeamSpeak alternative, Mumble and discord's voice channel
- **GameTracker(NodeJS, Typescript, WebScraping)**: A small NodeJS module to get stats of games without the need of an API key.
- **Discord Chat Websocket Relay(Java, Websockets)**: A small service which would relay the messages sent in a discord text channel via websockets, and vice-versa.