

Bobba Venkata Praveen

Email: praveenbobbas@gmail.com

Mobile: +91 9633838520

My Profile: <https://www.linkedin.com/in/praveenbobbba/>

EDUCATION

Year	Details
2016	B.Tech in Computer Science and Engineering , CGPA 8.34 National Institute of Technology Calicut, Kerala, India
2012	BIEAP(11th and 12th class) , Score- 95.5% Narayana Educational Institutions, Brahmadevam, Nellore
2010	BSEAP(10th class) , Score 92.17% Dr. SRK E.M. School, Tekkemitta, Nellore

AREAS OF INTEREST

- Cloud Computing
- Web Development
- Computer Networks

TECHNICAL SKILLS

- **PHP, HTML, CSS, JavaScript, AJAX, Shell Scripting, Data Structures and Algorithms, Ruby, Ruby on Rails, Java, Linux, Apache, Mysql, Microservices, Cloud**
- **Kubernetes** - Setting up of Kubernetes Cluster from the scratch. Involves pod autoscaling, worker(node) autoscaling, resource monitoring using Grafana, Influxdb and Heapster, Ingress and Ingress controller setup to allow service access via single end point. Installation of microservices and creation of staging, pre-production and production environments.
- **Haproxy** - Worked on installation, Configuring Load Balancing Algorithms, Sticky Cookies
- **A/B Testing** - Implementation of a/b testing before every release to evaluate the performance of new release compared to the old release
- **Varnish, Caching** - Setting up of dedicated caching to reduce network latency and page load time

- **Docker, Jenkins** - Created dockerfiles for all microservice applications and automated deployment process for all environments. Implemented auto and manual Rollback feature in case of any deployment failures.
- **AWS** - Creation of EC2 instances, Usage of ECR for storing docker images and using them as part of Kubernetes deployments, setting up of **VPC, S3, Cloudfront, Route53, IAM**
- **GoDaddy** - Configuration of domains to direct them to use AWS route53, SSL certificate generation
- **WordPress** - Customization of themes, development of plugins, complete knowledge of wordpress database architecture, installation of GTM
- **SEO** - Developed a tool that makes 301 redirects for modified urls, adds 410 status to 404 pages(removed wantedly). This improved Google Page Rank for maintaining SEO cleanliness. Implemented HTTPS and 301 force redirect from HTTP to HTTPS. Minimised multiple 301 redirects to single 301 redirection
- **Data Analytics** - Automated generation of user specific metrics using application logs

PROJECTS

- **XOS or eXperimental Operating System** - It is a platform to develop a toy operating system. It is an instructional tool for students to learn and implement OS data structures and functionalities on a simulated machine called XSM (eXperimental String Machine)
- **SIL Compiler** - A compiler for Simple Integer Language. First developed an interpreter for SIL. Later upgraded it to a compiler
- **NITC Library Project** - Web application to keep the status of books taken (as a backup)
- **Natural Language Processing Project** - Developed a classification model for identifying product reviews on e-commerce sites as positive or negative
- **Load Balancing at Hypervisor Level** - Designed a new load balancing algorithm at hypervisor level that uses live VM migration strategy and implemented the algorithm in CloudSim tool
- **DMK Tool** - A tool that evaluates the content written on wordpress and compares with the content available on internet for same search keywords. This helped content writers in making their content best compared to what is available on the internet

WORK EXPERIENCE

- Summer internship on **A/B testing and Load Balancing System, Metrics, Auto backup of logs, Wordpress, AWS** at Embibe, Indiavidual Learning Pvt. Ltd.
- Student Administrator at Nalanda Digital Library, NIT Calicut - Worked on **OpenStack, Web Development**. We setup OpenStack Swift for NIT Calicut's Digital Library. Using this framework, we stored all NPTEL videos in cloud and gave access over LAN to all college students.
- Currently working as Software Developer and Cloud Engineer at Embibe, Indiavidual Learning Pvt. Ltd.

ACHIEVEMENTS

- Received award from **District collector**, Nellore for winning the district level essay writing competitions
- Participation in district level **speech & quiz** competitions representing my school

MY STRENGTH

- Good communication skills
- Positive attitude, Hardworking
- Quick Learner - Adaptable to major technology changes in the market
- Problem Analysis - I analyse pros and cons of the task I am assigned before making a start

REFERENCES

- Will be available on request

DECLARATION

- I hereby declare that all the details furnished above are true to the best of my knowledge and belief

B.V. PRAVEEN