Mohammed **Habeeb**
Back-end/full-stack web developer with 9 yrs of exp

9108 55 9646/habeebATperwad·in
Bengaluru, IN http://perwad.in

- **Master of Computer Applications**, MCA (74%, 2007-10)
  Department of IT, Kannur University, Kerala

- **BSc-Statistics**(85%, 2004-07)
  GPM Government College, Kerala

- Maintenance and repairs of radio and tv (63%, 2002-04)
  Vocational Higher Secondary Education, Kerala

- ML for Engineering and Science Applications (Apr 2019), Applied NLP (Oct 2019)
  NPTEL online certification(12 weeks each), IIT Madras

- 97.26 percentile in GATE(CS) (rank: 2958, Feb 2018)

- Qualified for assistant professor (63%, Nov 2017), UGC NET

- First rank in MCA entrance exam (2007), Kannur University

- **The Perwad Lab**, Personal Project.
  Bengaluru (Jul 2021 - Jun 2023)

- **CheckSum InfoSoft**, Principal Engineer.
  Bengaluru (Jul 2020 - Jun 2021)

- **Locus.sh, Mara Studios Pvt Ltd**, Backend Engineer.
  Bengaluru (Jul 2019 - May 2020)

- Studied Machine Learning, Deep Learning, NLP. (Jan - May 2019)

- **Quinta Systems Pvt Ltd**, Full stack developer.
  Bengaluru (Dec 2017 - Dec 2018)

- Prepared for UGC NET. (Aug - Nov 2017)

- **Fuziosparc Software Pvt Ltd**, Full stack web developer.
  Bengaluru (Oct 2016 - Jul 2017)

- **Knowlarity Communications**, Full stack web developer.
  Bengaluru (Jul 2015 - Aug 2016)

- **CheckSum InfoSoft**, Full stack web developer.
  Bengaluru (Jul 2011 - Jun 2015)

Python, PHP, Javascript, **NodeJS, Java**(3 yrs of exp)
MySQL, Redis, MongoDB, Elasticsearch
HTML, CSS, JQuery, TypeScript. **ReactJS**, AngularJS
Django, CakePHP, Cordova, **Spring Boot**, Android
AWS, Git, Selenium(Java/Python)/TestNG

1. Perwad Accent Modification Project, http://perwad.in/p.html

This project was to study accent modification to improve intelligibility of my speech and develop mobile apps as tools for the journey.

I started speaking English after coming to the software field. Reading was primary source for my vocabulary, which led to spelling pronunciation.

I worked remotely with three colleagues with three different accents in my last office, which made me think of standardising my accent.

- **StoS - Spelling to Sound**

  A simple phonetics game based on the IPA pronunciation. Most useful and common English words are listed in this game .

- **Minimal Pairs Listed**

- **Minimal Pairs Perception**

  Record your pronunciation of confusing minimal pairs and test whether you can distinguish them.

  Useful to identify the areas to be improved and train ears to improve perception.

- **Try Connected Speech**

  Broad/narrow transcription and American/British audio of a sample text.

- **Audio Clip Player**

  A portion of audio can be played multiple times

  to study the narrator's pitch, pace, stress, intonation, enunciation etc.

- **Audio Subtitle Player**

- Android/Cordova, NodeJS, ReactJS

2. Network Device Configuration Management

Designed an engine which can accept common JunOS configuration tasks specified in a special json markup language and will execute those tasks in the specified JunOS device. The devices are accessed by the engine via respective bastion host machines. The engine is designed to work with other network devices too.

- Solo Developer. Ansible, Python, Netbox API, SSH, JunOS commands.

3. Network Device Log Management with ELK Stack

Set up logstash in the specified server machine and connect the logstash to the corresponding elasticsearch instance in the cloud. The ansible script for the installation will set up some predefined kibana dashboards as well.

- Solo Developer. Ansible, Elasticsearch, Logstash, Kibana

4. VAE - Vehicle Allocation Engine

The engine is designed to find the optimal set of routes for a fleet of vehicles to traverse in order to deliver to a given set of customers.

- Backend Developer (Team Size: 6 members). Java/Python. Spring Boot. ReactJS

- Implemented some of the proprietary algorithms proposed by data science team.

5. Qiosk - Order Management System

A kiosk app to work as a single window for ordering from one or more restaurants in a food court. User can pay the bill in the kiosk itself and get the bill receipt. The app interacts restaurant POS software to collect menu items and push the order.

- Lead developer (3 members). Android/Cordova. TypeScript. ReactJS
- Posiflex printer integration, Ezetap payment integration, Shawman POS integration.

6. Extracting Products From Email

A crowdsourcing solution to extract product details from e-commerce emails. An interactive UI will help users to mark product details, which will be used for extracting products from the emails retrieved from Gmail.

- Solo R&D Developer. Python, NLTK, NodeJS, PhantomJS, AWS, Gmail API, Machine Learning, Yii/php/mysql, html/css, javascript/jquery, Git.
- Developed UI and backend to extract purchase-order number and purchase-order email type(order confirmation, shipping confirmation, etc).
- Developed crowdsourcing UI to select product details like product-name, price, quantity, etc.
- Developed a component to extract products based on crowdsourcing rules.
- Scraped amazon order page using headless browser PhantonJS.
- Classified emails as product and non-product emails(machine learning / Naive Bayes classifier).

7. Konnect

It is a Computer telephony integration application for Knowlarity's flagship product SuperReceptionist. It can create activities and can show notifications in customer CRM/Support system. It provides REST API for developers to make use of SuperReceptionist telephony events.

- Senior Developer (8 members). Python, Django, NodeJS, Celery, ZeroMQ, redis, MySQL. AWS gateway, javascript.
- Implemented Zoho CRM API, Zoho PhoneBridge and Nimble REST API.
- Worked on Freshdesk/SalesForce/SugarCRM/Vtiger REST API and Javascript plugins
- Worked as a code reviewer, release engineer, production support for the product.

8. ShopGenie

Android-app/webapp for shopping lists. It will display the items based on the store you are checked in. It will synchronise your shopping list with your family members. It can send the shopping list to local kirana stores for home delivery.

Role : Lead Developer and DB Designer (5 members.) Java/Android, SQLite, PHP/CakePHP, MySQL, REST API, MySQL workbench.

- StackOverflow.com/u/739331
- Dec 1985. He/Him. Kasaragod, Kerala, IN