Bilal Belli

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PROFILE

Master 1 Computer Systems Engineering student at the Higher National School of Computer Science (ESI ex INI). Passionate about IT and technology, with a particular interest in data science and artificial intelligence. Actively seeking an internship opportunity that aligns with my interests in these fields.
Looking to fulfill my graduation project through the internship experience.

EDUCATION

- **Higher National School of Computer Science (ESI ex INI)**   Algiers, Algeria
  Engineering Degree in Computer Science   *Sep. 2019 – July. 2024*
  - **Two years of preparatory classes**:
    Algorithms and data structures, Computer Architecture, OOP, Calculus, Algebra, Statistics.
  - **Three years of high education classes**:
    Operating Systems, Software Architecture, Advanced Databases, Compilers, Advanced Networking, Distributed Systems, Signal processing, Image processing, Data Analysis, High performance computing.

EXPERIENCE

- **Algeria Partners (Internship)**   Algiers, Algeria
  Full Stack Web Developer   *Aug. 2022 – Oct. 2022*
  - Developed a web application for the Human Resources department.
  - Utilized Node.js, Express.js, and MySQL for the backend.
  - Created responsive interfaces using HTML5 and Bootstrap v4 CSS framework.
  - Implemented a RESTful API.
  - GitHub repository: InternshipDRHwebApplication.

PROJECTS

- **ESI Logement**: Implemented a web application for university administration.
  - Contributed to enhancing the user interface and overall user experience by utilizing the Vue.js framework.

- **Rehlati**: Responded to an offer from the Algerian Ministry of Tourism with our eTourism solution.
  - Collaborated as a solution architect and quality manager on the Rehlati project.

- **Netboost CDN**: It involves implementing a custom Content Delivery Network (CDN) from scratch.
  - Simulated the network infrastructure using GNS3 and multiple virtual machines for servers, including cache servers, origin server, backup server, and NAS server.
  - Used Nginx as a reverse proxy, Varnish for caching, and Bind9 DNS as a DNS service.
  - Created a basic web application using Flask and Tailwind CSS, and deployed it on an Apache2 web server.

- **NoFap (Personal Project)**: Developed "NoFap", a Chrome extension aimed at blocking bad websites and promoting focus and a natural, peaceful online experience.
  - Blocks over 17,000 default bad sites and allows for future updates with an expanding blocked list. Redirects users to a predefined page and logs actions in browsing history.
  - GitHub repository: NoFapChromeExtention.

- **Other Personal Projects**: Developed multiple personal tools utilizing various technologies.
  - PDF Outlines Reporter (using ChatGPT API) - List Of Files Converter - Youtube Downloader - Video Maker.
  - Emoji Desktop Keyboard - Online Resume (Portfolio).

PROGRAMMING SKILLS

- **Languages**: : Python, Java, C, JavaScript, HTML5, CSS3.
- **Frameworks**: : Bootstrap, NodeJs, Django, ChartJS, GoJs, PrismeJs, .
- **Databases**: : SQLite, MySQL, Oracle, XML.
- **Technologies**: : Git, GitHub, Microsoft 365, Rest full API.